

# THE CLEVELAND STONE CO.



MINERS & MANUFACTURERS OF

**BUILDING STONE**

Sawed Stone of every Description

**SAWED FLAGGING CURBING**

**BRIDGE STONE**

**ETC.**

GENERAL OFFICES

WILSHIRE BUILDING CLEVELAND, O.

WESTERN AGENCY. — 706 TACOMA BLDG. CHICAGO, ILL.

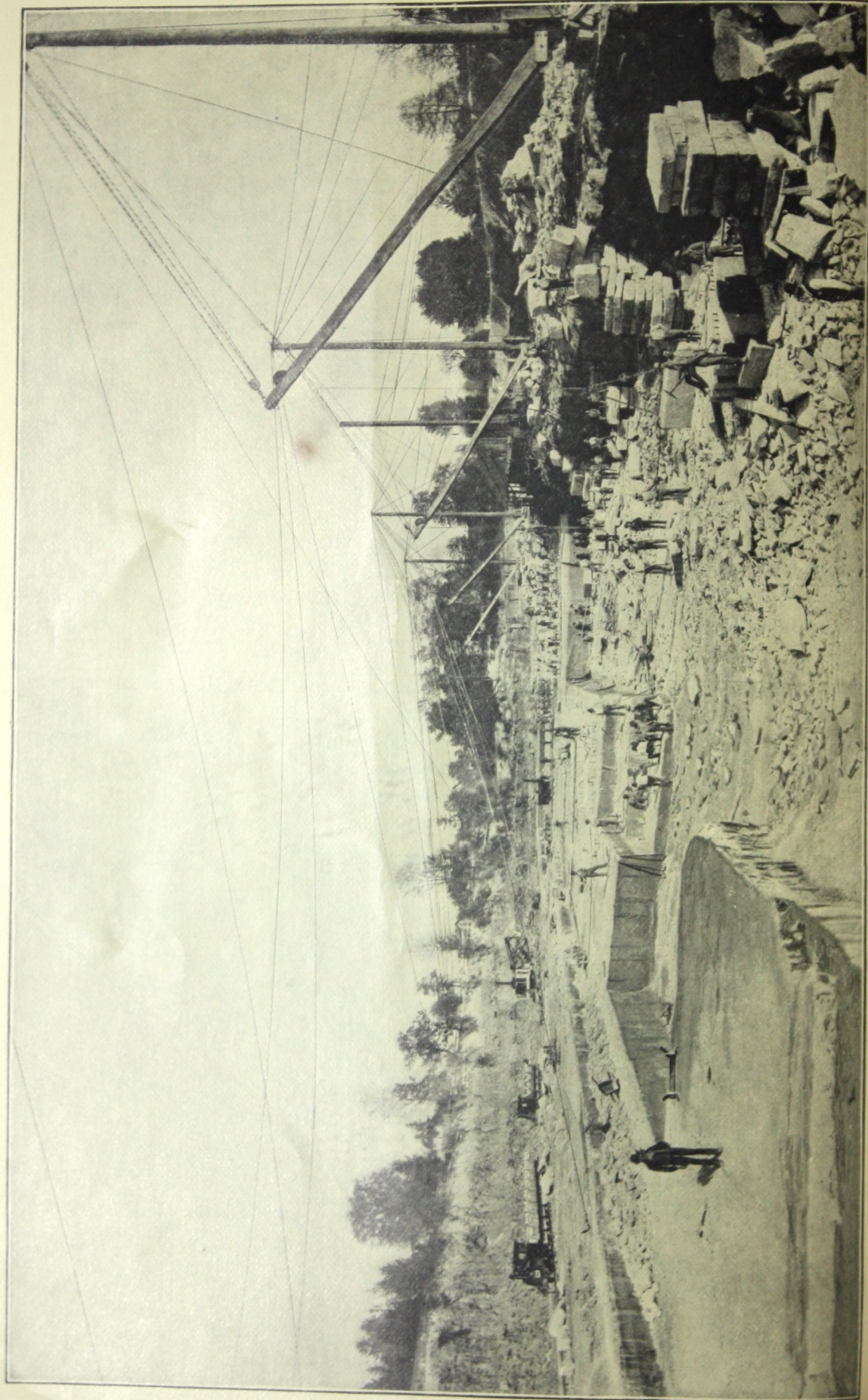
EASTERN AGENCY.—31 & 33 SLEEPER ST. BOSTON, MASS.

NEW YORK AGENCY.—283 & 285 FRONT ST. NEW YORK, N.Y.

BRANCH OFFICE. — 24 So. 7<sup>TH</sup> ST. PHILADELPHIA, PA.

BRANCH OFFICE. — 59 4<sup>TH</sup> AVE. PITTSBURGH, PA.





Quarry No. 9, Berea, Ohio.



\$852

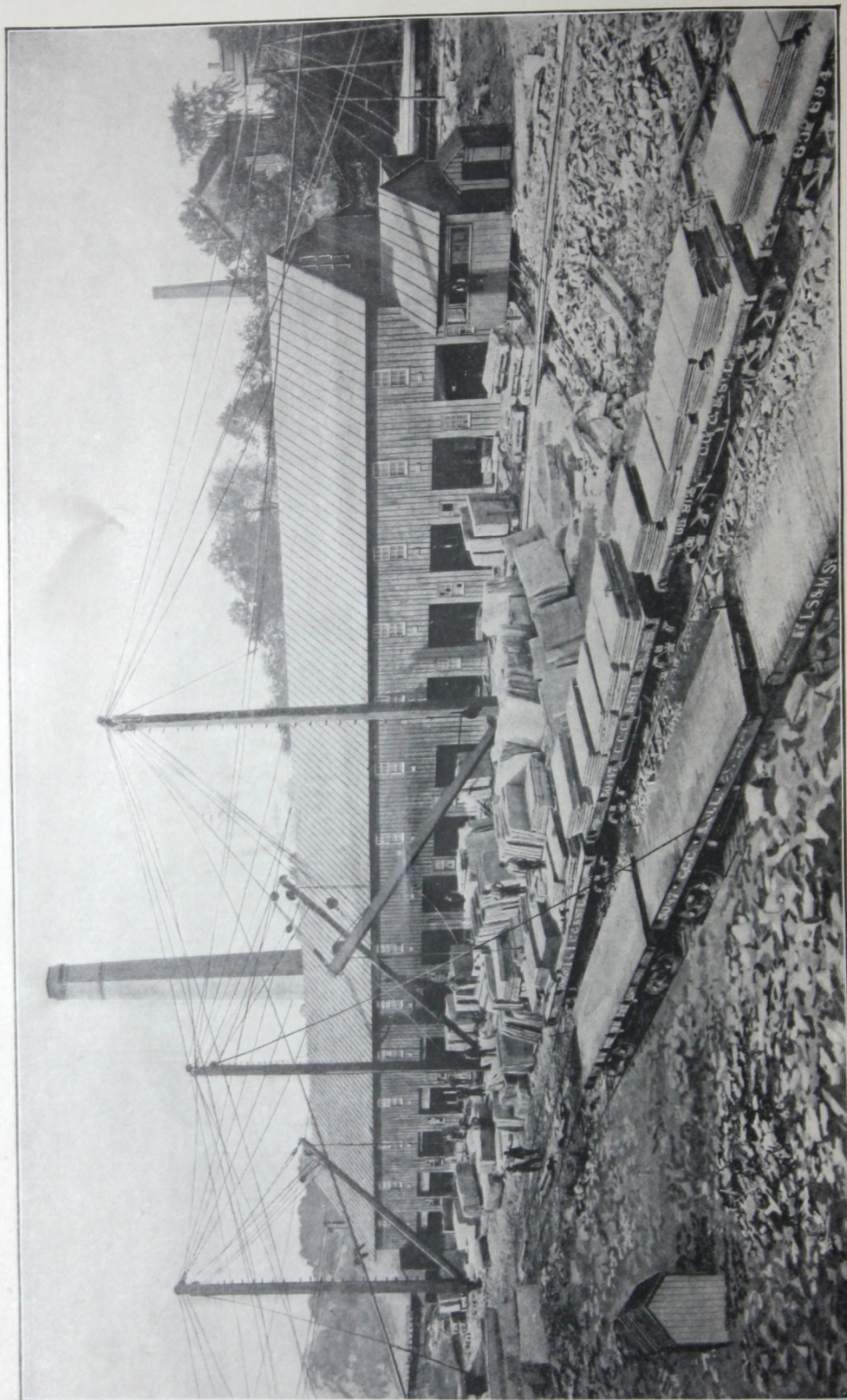


GENERAL OFFICES  
WILSHIRE BUILDING CLEVELAND.O.

BRANCH OFFICES.

CHICAGO, ILL.	706 TACOMA BUILDING.
BOSTON, MASS.	31 & 33 SLEEPER ST.
NEW YORK CITY.	283 & 285 FRONT ST.
PHILADELPHIA, PA.	24 So. 7 <sup>TH</sup> ST.
PITTSBURGH, PA.	59 FOURTH AVE.





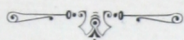
No. 1, Sawmill, Berea, Ohio.  
15 gangs. Daily Capacity about 4000 cubic feet



GENERAL OFFICES OF

# The Cleveland Stone Co.,

Building Stone Department.



THE fitness of stone for structural purposes can be determined approximately by examining a fresh fracture. It should be bright, clean and sharp, without loose grains, and free from any dull, earthy appearance.

Tests of the strength of blocks of stone are useful only in comparing different stones, and give no idea of the strength of structures built of such stone, or of the crushing strength of stone in large masses on its natural bed. The crushing resistance per square inch of compressed surface, increases approximately in the ratio of the cube roots of the sides of the respective cubes. The following is a table of experiments with cubes of BEREA sandstones, as reported by "GILLMORE ON BUILDING STONES," page 28.

1" Cube	1 $\frac{1}{4}$ "	1 $\frac{1}{2}$ "	1 $\frac{3}{4}$ "	2"	2 $\frac{1}{4}$ "	2 $\frac{1}{2}$ "	2 $\frac{3}{4}$ "
9,400	15,000	25,000	34,200	56,800	69,300	65,800	94,000
12,200	15,800	28,600	40,600	38,200	47,800	65,800	*100,000
10,800	17,400	19,800	30,000	50,300	47,800	52,800	*100,000
11,800	19,800	(†)	38,200	50,200	53,100	59,300	*100,000
7,800	16,700	20,600	25,400	50,200	79,800	66,800	91,500
10,200	15,240	28,600	41,800	30,200	70,800	72,300	95,000
7,800	15,800	27,800	23,800	53,800	65,000	65,800	*100,000
11,100	15,000	22,200	40,600	42,800	70,800	67,800	.....
7,800	16,200	20,600	39,000	53,800	59,800	81,800	.....
7,800	13,800	.....	.....	53,800	69,300	.....	.....
7,800	.....	.....	.....	.....	.....	.....	.....
Total, 104,500	160,740	193,200	313,600	480,100	633,500	598,200	.....
Aver. 9,500	16,074	24,150	34,844	48,010	63,350	66,466	100,000
Sq. In. 9,500	10,300	10,730	11,377	12,000	12,500	10,635	13,200

\* Not Broken, Average therefore deducted. † Cracked.

The maximum pressure on the granite masonry of the towers of the Brooklyn bridge, is about 28 $\frac{1}{2}$  tons per sq. ft. (about 400 lbs. per sq. in.) The maximum pressure on the granite masonry of the Washington Monument is 20 $\frac{1}{2}$  tons per sq. ft., equal to 280 lbs. per sq. in.



## Absorptive Power of Stone, Brick and Mortar.

(Baker, page 20.)

To determine the absorptive power, dry the specimen and weigh it carefully; then soak it in water for 24 hours and weigh it again. The increase in weight will be the amount of absorption. The following table shows the weight of water absorbed by the stone as compared with dry stone; that is if 300 units of dry stone weighs 301 units after emersion, the absorption is one in 300, and is recorded as 1-300.

### RATION OF ABSORPTION.

Kind of Material.	Max.	Min.	Average.	Kind of Material.	Max.	Min.	Average.
Granites . . . .	1-150	0	1-750	Sandstones . . .	1-15	1-240	1-24
Marbles . . . .	1-150	0	1-300	Bricks . . . . .	1-4	1-50	1-10
Limestones . . .	1-20	1-500	1-38	Mortars . . . . .	1-2	1-10	1-4

## Transverse Strength.

To compute transverse strength of stone, multiply the width of the stone in inches, by the square of the depth in inches, which, divided by the length in feet and multiplied by the co-efficient of transverse strength, equals the breaking strain in pounds.

MATERIAL.	Modulus of Rupture in lbs. per sq. in.			Co-Efficient of Transverse Strength.		
	Max.	Min.	Aver.	Max.	Min.	Aver.
Granite . . . . .	2,700	900	1,800	150	50	100
Limestone . . . . .	2,500	140	1,500	140	8	83
Indiana Oolitic Limestone sawed . .	2,590	2,190	2,338	144	122	130
Marble . . . . .	2,880	144	2,160	160	8	120
Sandstone . . . . .	2,340	576	1,260	130	32	70
Brick . . . . .	1,796	269	800	100	15	45

Baker, page 12.

### ANALYSIS OF AMHERST AND BEREA STONE.

Below we give the result of two analysis of Amherst and Berea Sandstones. The first by Professor J. H. Salesbury, State Geologist; the second by John Eisemann, Esq., Professor of Civil Engineering, Case School of Applied Science.

#### SPECIMEN OF AMHERST.

Silica . . . . .	94.21
Iron Carbonate . . . . .	2.30
Calcium Carbonate . . . . .	1.86
Magnesia Carbonate . . . . .	0.97
Water . . . . .	0.70
Total . . . . .	100.04

Specific gravity, 2.335.

#### SPECIMEN OF BEREA STONE.

Silica . . . . .	96.90
Carbonate Iron . . . . .	1.68
Carbonate Calcium . . . . .	0.55
Alkalies . . . . .	0.55
Water . . . . .	0.30
Waste . . . . .	0.02
Total . . . . .	100.00

Weight per cubic ft. (dry) 140.

TC  
TH1201  
C5  
1890



The durability of sandstones varies with both their physical and chemical composition. Great differences may exist in the durability of stones of the same kind presenting little difference in appearance. When nearly pure silica and well cemented, sandstones are as resistant to weather as granite, and very much less affected by the action of fire. Taken as a whole, they may be regarded as among the most durable of building materials. When first taken from the quarry, and saturated with quarry water (a weak solution of silica), they are frequently very soft, but on exposure, become harder by the precipitation of the soluble silica contained in them.

The OHIO stone, derived from the BEREÄ quarries, is a member of the lower Carboniferous series and is the most valuable geological formation in the state. It is very homogenous in texture and composed of nearly pure silica. The BEREÄ stone is a light blue gray color, is very resistant to fire and weathering, and on the whole, one of the best and handsomest building stones known.

### BEREÄ SAWED FLAGGING.

We make a specialty of this class of stone, and although we have increased our production from year to year, still the demand keeps pace with the supply, and we have again concluded to enlarge the capacity of our mills. Our sales of SAWED FLAGGING for the year last passed, was over 4,000,000 superficial feet, or sufficient to lay a walk 6 feet wide and over 130 miles in length.

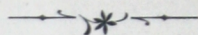
The purely silicious character of the BEREÄ stone, renders it the most suitable for this class of work. It does not disintegrate or discolor or become slippery, under any conditions of climate. We have furnished flagging in the most distant markets of the United States and Canada, and will be pleased to quote prices delivered on cars, in car load lots, at any point; it matters not how distant, for the low cost of production and the reasonable rates of freight that we are able to secure, enable us to successfully meet competition.

### BEREÄ SPLIT CURBING.

We are the sole producers of this celebrated stone, which from its singularly pure and uniform geological structure is peculiarly adapted to this use. It being almost a pure silica is in no way affected by climatic influences. The increasing demand is almost incredible. Our sales for 1889, would, if laid in one continuous line, curb a street 150 miles long, while our sales for 1891 would, if laid in same manner, cover a distance of over 340 miles. Its remarkable homogeneousness makes it a strong favorite with all corporations and contractors. It is easily, consequently cheaply dressed, by reason of it splitting smooth and uniformly thick. It is quarried in long lengths, saving much in jointing and making a much handsomer and a more substantial job. No curbing ought to be less than four feet long; our BEREÄ curbing runs from five to eight feet long. We can get it any width or thickness, but the great majority of the curbing we sell is 4 x 18.

Our capacity for producing this class of stone is practically unlimited; we can fill any order fast as required. The following is a list of some of the towns and cities where our BEREÄ CURBING is used.



*Cities and Towns using Berea Curbing.*

Austin, Ill.,	Delphos, O.,	Marion, O.,
Argyle Park, Ill.,	DuBois, Pa.,	Mansfield, O.,
Atchison, Kan.,	Edgewater, Ill.,	Marysville, O.,
Anderson, Ind.,	Elgin, Ill.,	Mercer, Pa.,
Alliance, O.,	Evanston, Ill.,	Mt. Pleasant, Mich.,
Akron, O.,	East Liberty, Pa.,	Marion, Ind.,
Ashtabula, O.,	Elwood, Ind.,	Marion, O.,
Addison, N. Y.,	Elyria, O.,	Mannington, W. Va.,
Alexandria, Va.,	Erie, Pa.,	McComb, O.,
Bloomington, Ill.,	Flint, Mich.,	Memphis, Tenn.
Brainerd, Ill.,	Ft. Wayne, Ind.,	No. Baltimore, O.,
Bradford, Pa.,	Findlay, O.,	Norwalk, O.,
Bellefontaine, O.,	Fremont, O.,	New Cumberland, W. Va.,
Bloomsburg, Pa.,	Fostoria, O.,	New Lisbon, O.
Belle Centre, O.,	Fredericktown, O.,	New Bremen, O.,
Bellevue, O.,	Fredonia, N. Y.,	Niagara Falls, N. Y.,
Bowling Green, O.,	Grand Rapids, Mich.,	New Lexington, O.,
Bay City, Mich.,	Galion, O.,	Oneonta, N. Y.,
Columbiana, O.,	Geneva, O.,	Olmsted Falls, O.,
Columbus, O.,	Girard, Pa.,	Peru, Ind.,
Cumberland, Md.,	Gypsum, O.,	Penn Yan, N. Y.,
Chicago Junction, O.,	Galesburg, Ill.,	Pallding, N. Y.,
Canton, O.,	Hartford City, Ind.,	Paulding, O.,
Cleveland, O.,	Hubbard, O.,	Sabina, O.,
Corry, Pa.,	Hamburgh, Pa.,	St. Mary's, O.,
Conneaut, O.,	Harriman, Tenn.,	Springfield, O.,
Cummins ville, O.,	Hartford, Ind.,	St. John, Mich.,
Cincinnati, O.,	Huron, O.,	Syracuse, N. Y.,
Ceylon, O.,	Ironton, O.,	Sharon, Pa.,
Chicago, Ill.,	Indianapolis, Ind.,	Toledo, O.,
Clinton, Iowa,	Kansas City, Mo.,	Toronto, Ont.,
Council Bluffs, Iowa,	Kendallville, Ind.,	Titusville, Pa.,
Champaign, Ill.,	Kalamazoo, Mich.,	Terre Haute, Ind.,
Charlotte, Mich.,	Lima, O.,	Union City, Ind.,
Davenport, Iowa,	Litchfield, Ill.,	Union City, Pa.,
Duluth, Minn.,	Leavenworth, Kan.,	Wyandotte, Mich.,
Danville, Ill.,	Lansing, Mich.,	Waynesburg, Pa.,
Delta, O.,	Lincoln, Ill.,	Wooster, O.,
Detroit, Mich.,	Loudonville, O.,	Waynesboro, Pa.,
Dunkirk, N. Y.,	Milwaukee, Wis.,	Williamsport, Pa.
	Malvern, Pa.,	



# PRICE LIST OF BLOCK STONE.

## ON CARS AT QUARRIES.

### BUFF AMHERST.

No. 1	Promiscuous Blocks, Cream Buff	per cubic foot, 50 cents
No. 1	" " Speckled Buff	" " 40 "

### BEREA AND BLUE AMHERST.

No. 1	Promiscuous Blocks	per cubic foot, 40 cents
No. 2	" " " "	" " 30 "
No. 1	Monument Bases, broken to size	" " 45 "
No. 2	" " " "	" " 35 "
Pier Blocks,	" " " "	" " 20 "

Stone ordered to dimension sizes, 60 cubic feet and under, 10 cents per cubic foot extra. Extra large blocks and large dimension stone at special prices.

Stone ordered higher on quarry face than the width on the natural bed, charged at the square of the face.

### SPLIT PLATFORMS.

No. 1	Buff Amherst, per superficial ft. 5 to 9 inches thick	55 cents
No. 2	" " " " " "	45 "
No. 1	Berea or Blue Amherst, " " " "	45 "
No. 2	" " " " " "	35 "
No. 3	" " " " (For Sidewalks) " " "	25 "

Platforms any length or width required. Extra large platforms at special prices.

### FOOTINGS.

6 inches thick, width as required	per superficial foot, 08 cents
8 " " " " " "	" " " 10 "
10 " " " " " "	" " " 13 "
12 " " " " " "	" " " 15 "

### BRIDGE STONE.

Promiscuous Blocks	per cubic foot, 15 cents
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We can furnish this class of stone in any quantity as fast as required, and of a very superior quality. Our Bridge Stone has won a justly famous reputation with all who have used it, owing to the shape into which it is quarried, being practically true and regular beds that require very little labor to fit it for the work. We have furnished millions of feet of this stone, and the demand is constantly on the increase. Among our patrons we respectfully refer to L. S. & M. S. R. R.; N. Y. C. & St. L. R. R.; C. C. C. & St. L. R. R.; M. C. R. R.; N. Y., L. E. & W. R. R.; F. & P. M. R. R.; W. & L. E. R. R.; P. A. & W. R. R.; D. L. & N. R. R.; D. G. H. & N. R. R.; C. & G. T. R. R.; G. R. & I. R. R.; C. & E. R. R.; C. & P. R. R. All of whom have used our stone extensively and can testify as to its merits.

When ordering Stone, give the Length as the first, the Width as the second, and the Thickness as the last dimension.



# Price List of Sawed Stone,

## ON CARS AT QUARRIES.

### BUFF AMHERST, BEREA AND BLUE AMHERST.

CAPS, SILLS, STEPS, WATER TABLE, &amp;C.

SAWED TO DIMENSIONS, ENDS NOT JOINTED, PRICE PER LINEAL FOOT.

3 x 3....\$.07	5 x 7 ... .27	7 x 10.... .52	8 x 20.... 1.15
3 x 4.... .09	5 x 8.... .30	7 x 11.... .58	8 x 24.... 1.35
3 x 5.... .11	5 x 9.... .34	7 x 12.... .62	9 x 9.... .60
3 x 6.... .14	5 x 10.... .38	7½ x 12.... .68	9 x 10 ... .65
3 x 7.... .16	5 x 11.... .41	7 x 13.... .68	9 x 12.... .80
3 x 8.... .18	5 x 12.... .45	7 x 14.... .70	9 x 14.... .90
3 x 9.... .20	6 x 6.... .27	7½ x 14.... .75	9 x 16.... 1.00
3 x 10.... .23	6 x 7.... .32	7 x 15.... .75	9 x 18.... 1.12
3 x 11.... .25	6 x 8.... .36	7 x 16.... .80	9 x 20 ... 1.25
3 x 12.... .27	6 x 9.... .41	7 x 17.... .84	10 x 10.... .70
4 x 4.... .13	6 x 10 ... .45	7 x 18.... .87	10 x 12.... .90
4 x 5.... .15	6 x 11.... .50	8 x 8.... .48	10 x 14.... 1.00
4 x 6.... .18	6 x 12.... .54	8 x 9.... .52	10 x 16.... 1.15
4 x 7.... .21	6 x 13.... .59	8 x 10.... .60	10 x 18.... 1.30
4 x 8.... .24	6 x 14.... .62	8 x 11.... .68	10 x 20.... 1.40
4 x 9.... .27	6 x 15.... .68	8 x 12.... .70	12 x 12.... 1.00
4 x 10.... .30	6 x 16.... .72	8 x 13.... .75	12 x 14.... 1.20
4 x 11.... .33	6 x 17.... .77	8 x 14.... .80	12 x 16.... 1.40
4 x 12.... .36	6 x 18.... .81	8 x 15.... .85	12 x 18.... 1.55
5 x 5.... .19	7 x 7.... .36	8 x 16.... .90	12 x 20.... 1.70
5 x 6.... .23	7 x 8.... .42	8 x 17.... .95	12 x 24.... 2.00
	7 x 9 ... .46	8 x 18.... 1.00	

### ASHLAR.

Price per Square Foot. Faced but not Jointed.

Buff Amherst	Berea or Blue Amherst.	Buff Amherst.	Berea or Blue Amherst.
3 inch.....25 cents.	21 cents	8 inch.....60 cents.	53 cents
4 " .....31 "	27 "	9 " .....68 "	60 "
5 " .....38 "	34 "	10 " .....73 "	65 "
6 " .....46 "	41 "	11 " .....80 "	70 "
7 " .....53 "	46 "	12 " .....88 "	77 "

### SAWED PLATFORMS,

Price per Square Foot. Faced but not Jointed.

Buff Amherst, 6 in. thick,	No. 1.	No. 2.	Berea or Blue Amherst, 6 in. thick,	No. 1.	No. 2.
46 cts.	46 cts.	40 cts.	41 c.	36c.	
" " 8 "	60 "	53 "	" " 8 "	53c.	48c.
" " 10 "	73 "	67 "	" " 10 "	65c.	59c.
" " 12 "	88 "	78 "	" " 12 "	77c.	67c.

We make special prices on large lots of stone delivered at any railroad station or lake port in the United States and Dominion of Canada.



# Price List of Curbing and Flagging, Etc.

## ON CARS AT QUARRIES.

### BEREA AND BLUE AMHERST SAWED FLAGGING.

Faced but not Jointed.

2 inches thick.....	per square foot, 10 cents
2½ " " .....	" " 12 "
3 " " .....	" " 14 "
4 " " .....	" " 18 "

For Sawed Flagging we use a hard, fine grained stone. It withstands wear, and in finish, durability and cheapness it has no equal.

### SPLIT CURBING, ETC.,

Price per Lineal Foot. Split to Size, but not Jointed.

4 x 18.....	12 cents	5 x 24.....	21 cents
4 x 20.....	14 "	6 x 24.....	24 "
4 x 24.....	18 "	6 x 30.....	30 "
5 x 18.....	16 "	6 x 36.....	36 "
5 x 20.....	18 "	8 x 36.....	48 "

Crosswalk & Gutter Stones split to size, but not jointed, 5 to 8 in. thick, per cubic ft. 18 cts.

Our curbing is fine in quality, strong and durable, is split closely to size, requires very little dressing, and is produced in long lengths, thereby saving largely in jointing and adding to its appearance.

### SPLIT FLAGGING.

3 inches thick, 6 feet long and under.....	per square foot, 07 cents
4 " " 6 " " .....	" " 09 "

One cent per square foot extra for every additional foot or fraction of a foot over six feet in length,

Our split flagging is a superior article, and all that can be desired for a cheap, durable walk.

### MISCELLANEOUS.

Engine Beds, broken to size.....	per cubic foot, 40 cents
Perch or Wall Stone.....	per ton, railroad weight, 50 "
Well Covers, 4 feet diameter, round pattern, turned, ready to set.....	\$4.00 each
" " 5 " " .....	5.00 "
" " 6 " " .....	6.00 "
" " 3½ feet square, split to size.....	1.50 "
" " 4 " " .....	1.90 "
" " 5 " " .....	3.75 "
" " 6 " " .....	4.40 "

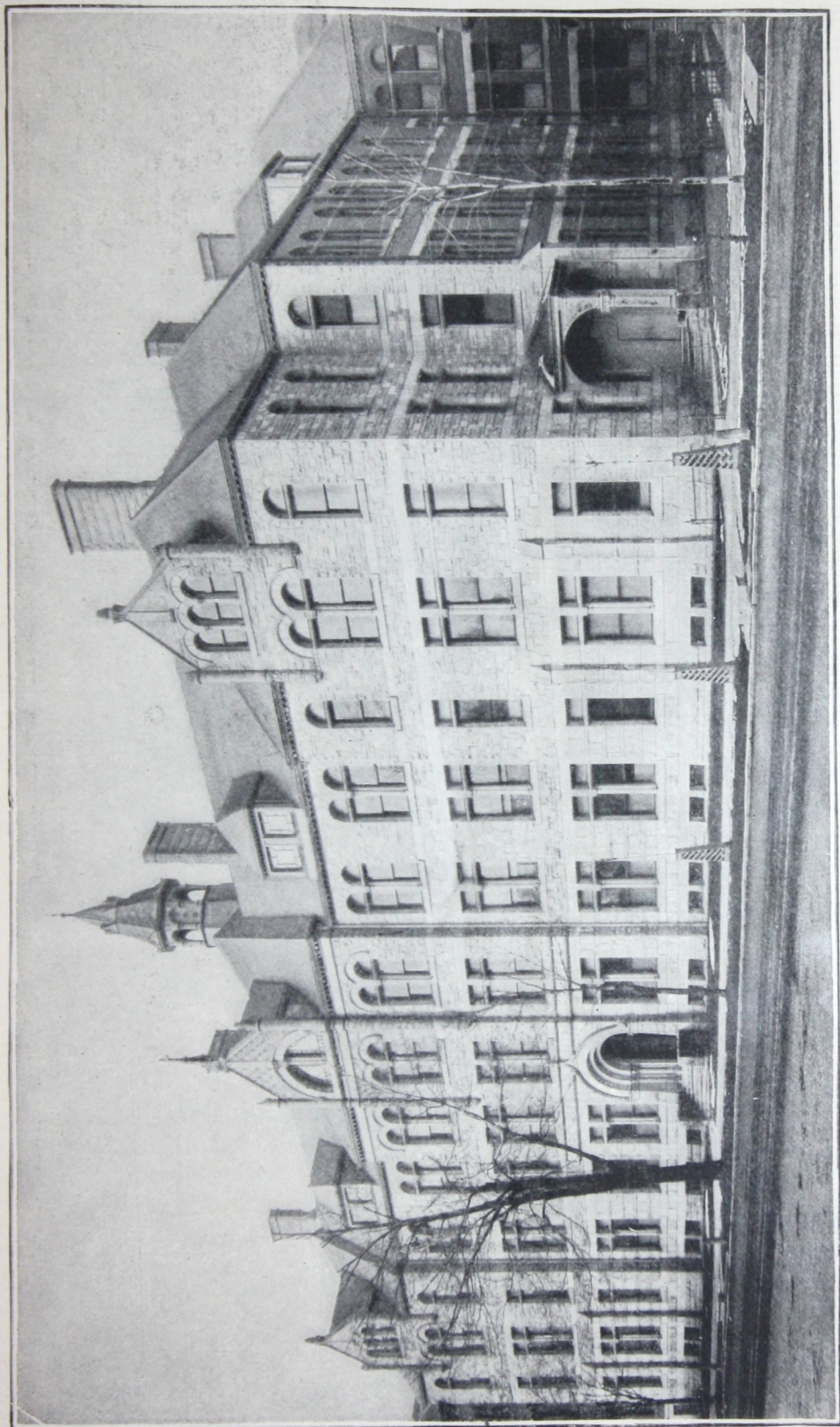
We make special prices on large lots of stone delivered at any railroad station or lake port in the United States and Dominion of Canada.





Quarry No. 3, Columbia, Ohio.





Jesuit College, Detroit, Mich.  
Gordon W. Lloyd, Architect, Detroit, Mich.  
Berea Stone.





East End Quarry No. 6, North Amherst, Ohio.





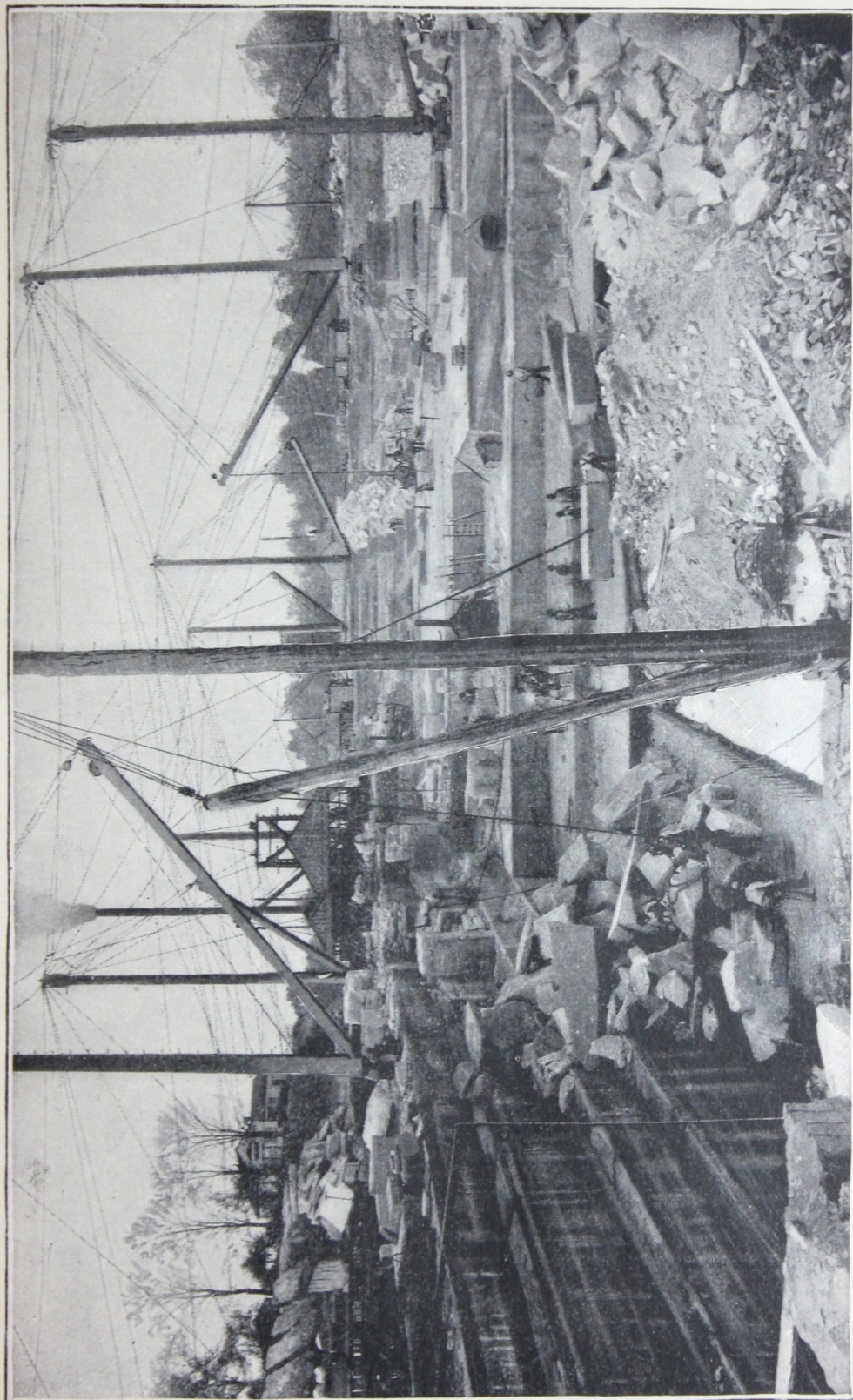
St. Michael's Church, cor. Lombard and Wolfe Sts., Baltimore, Md.  
Buff Amherst Stone / Baldwin & Pennington, Architects, Baltimore, Md.





Residence John C. Leitch, 75 Beach St., Allegheny, Pa.  
Berea Stone. Wm. M. McBride, Architect, Pittsburg, Pa.





Quarry No. 6, Berea, Ohio.





Hancock County Court House, Findlay, Ohio.  
Weary & Kramer, Architects, Akron, Ohio.

Berea Stone.



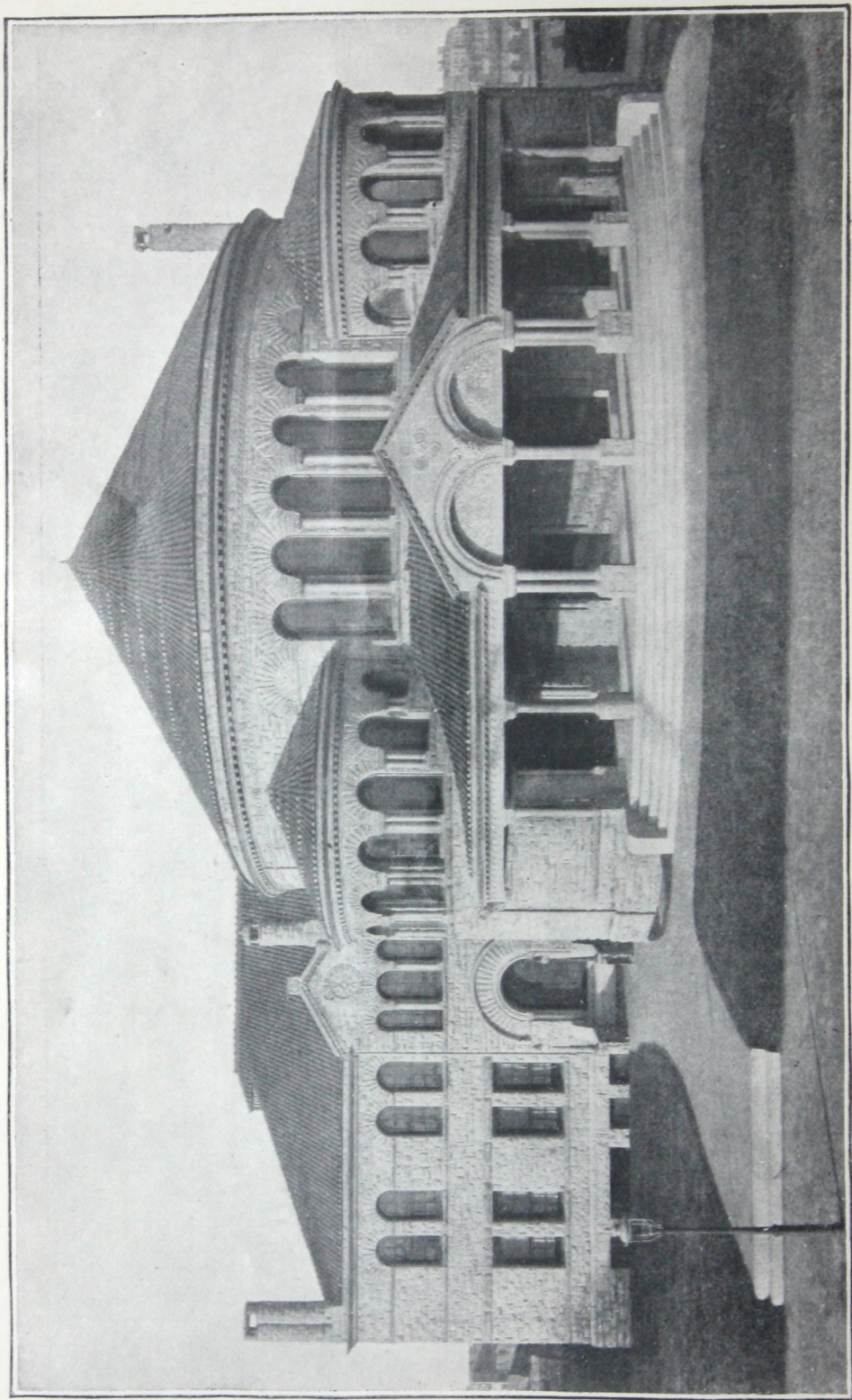


Divinity School, Catholic University, Washington, D. C.

Trimmed with Buff Amherst Stone.

E. Francis Baldwin, Architect, Baltimore, Md.





Associate Reformed Presbyterian Church, Maryland Ave. and Preston St., Baltimore, Md.  
J. E. Cassell, Architect, Baltimore, Md.





Ames Building, cor. Court and Washington Sts., Boston, Mass.  
Buff Amherst Stone. Shepley, Rutan & Coolidge, Architects, Boston, Mass.





Arlington Public Library, Arlington, Mass.

Buff Amherst Stone. Cabot, Everett & Mead, Architects, Boston, Mass.





Masonic Temple, Minneapolis, Minn.  
Berea Stone. Long & Keys, Architects, Minneapolis, Minn.





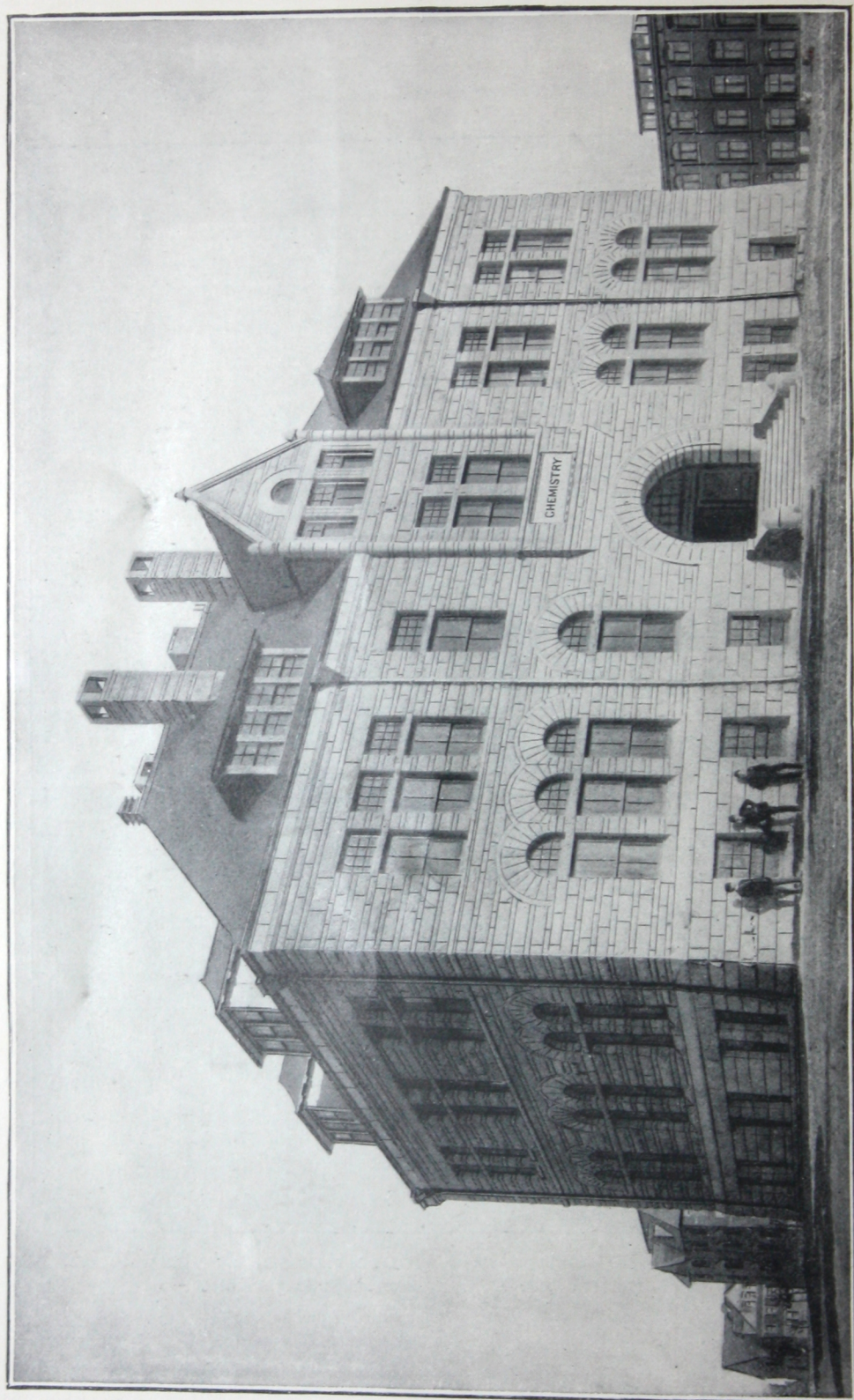
Iowa State Savings Bank Building, Sioux City, Iowa.  
Berea Stone. E. W. Loft, Architect, Sioux City, Ia.





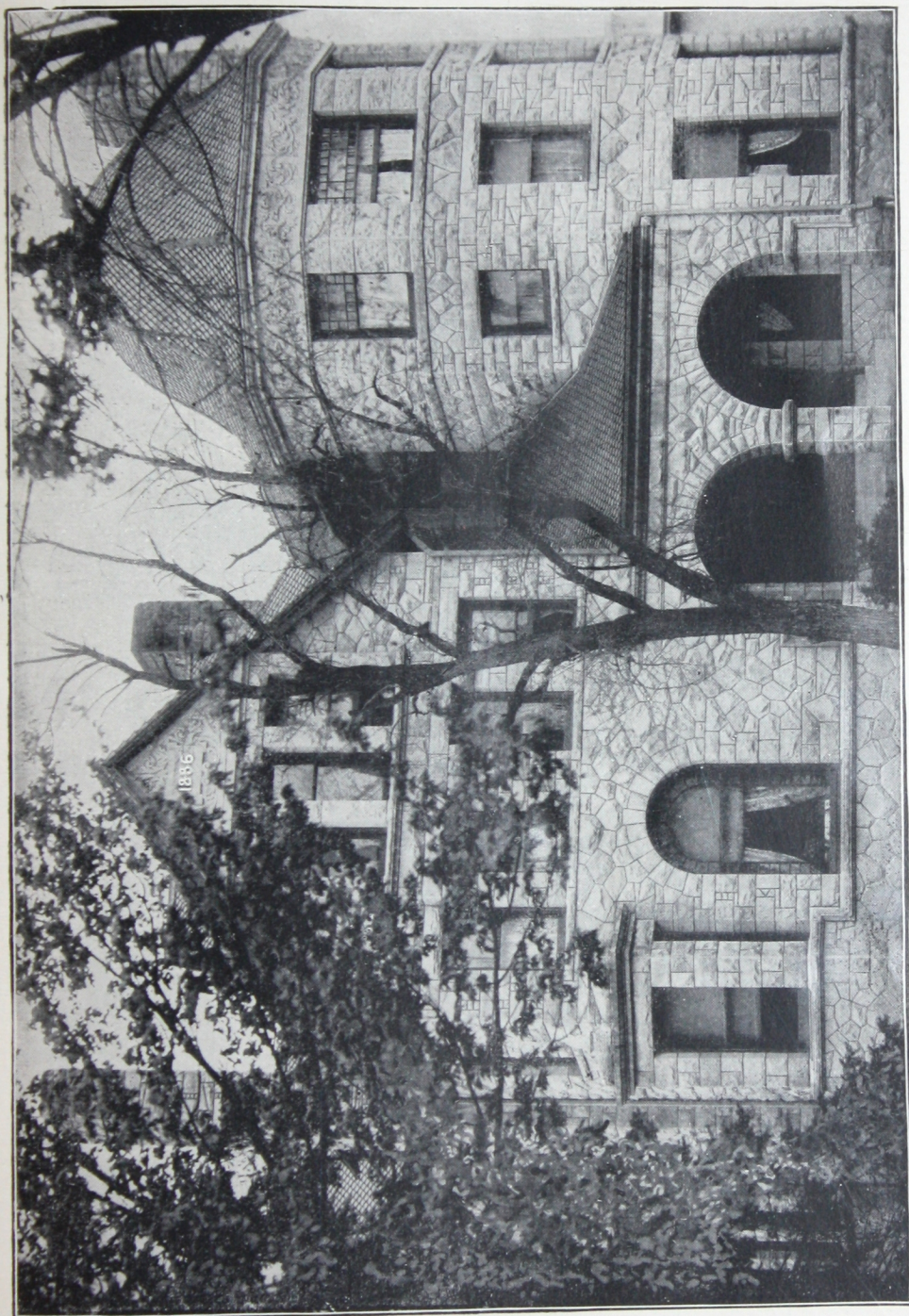
United States Post Office and Court House, Dayton, Ohio.  
Berea Stone. J. H. Windrim, Supervising Architect.





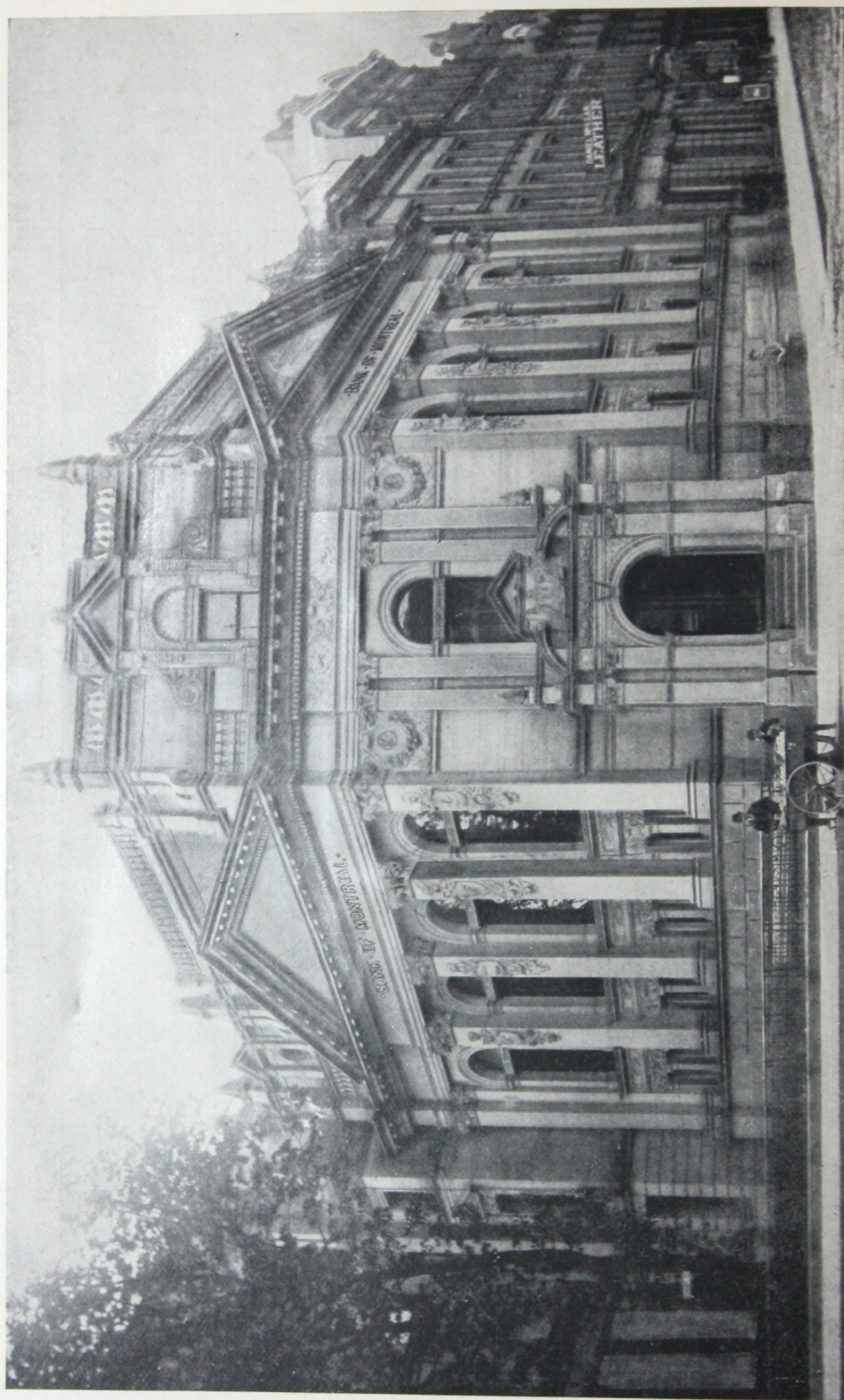
Laboratory Case School Applied Science, Cleveland, Ohio.  
Buff Amherst Stone. S. R. Badgley, Architect, Cleveland, Ohio.





Teachers Boarding Hall, Oberlin College, Oberlin, Ohio.  
Berea Stone. Weary & Kramer, Architects, Akron, Ohio.





Bank of Montreal, Toronto, Ontario.  
Darling & Curry, Architects, Toronto, Ont.  
Berea Stone.





Church of the Epiphany, Euclid Avenue, Cleveland, O.  
Berea Stone. S. R. Badgley, Architect, Cleveland, Ohio.





Residence H. A. Everett, Euclid Avenue, Cleveland, Ohio.

Buff Amherst Stone and Wood.  
Geo. F. Hammond, Architect, Cleveland, Ohio.





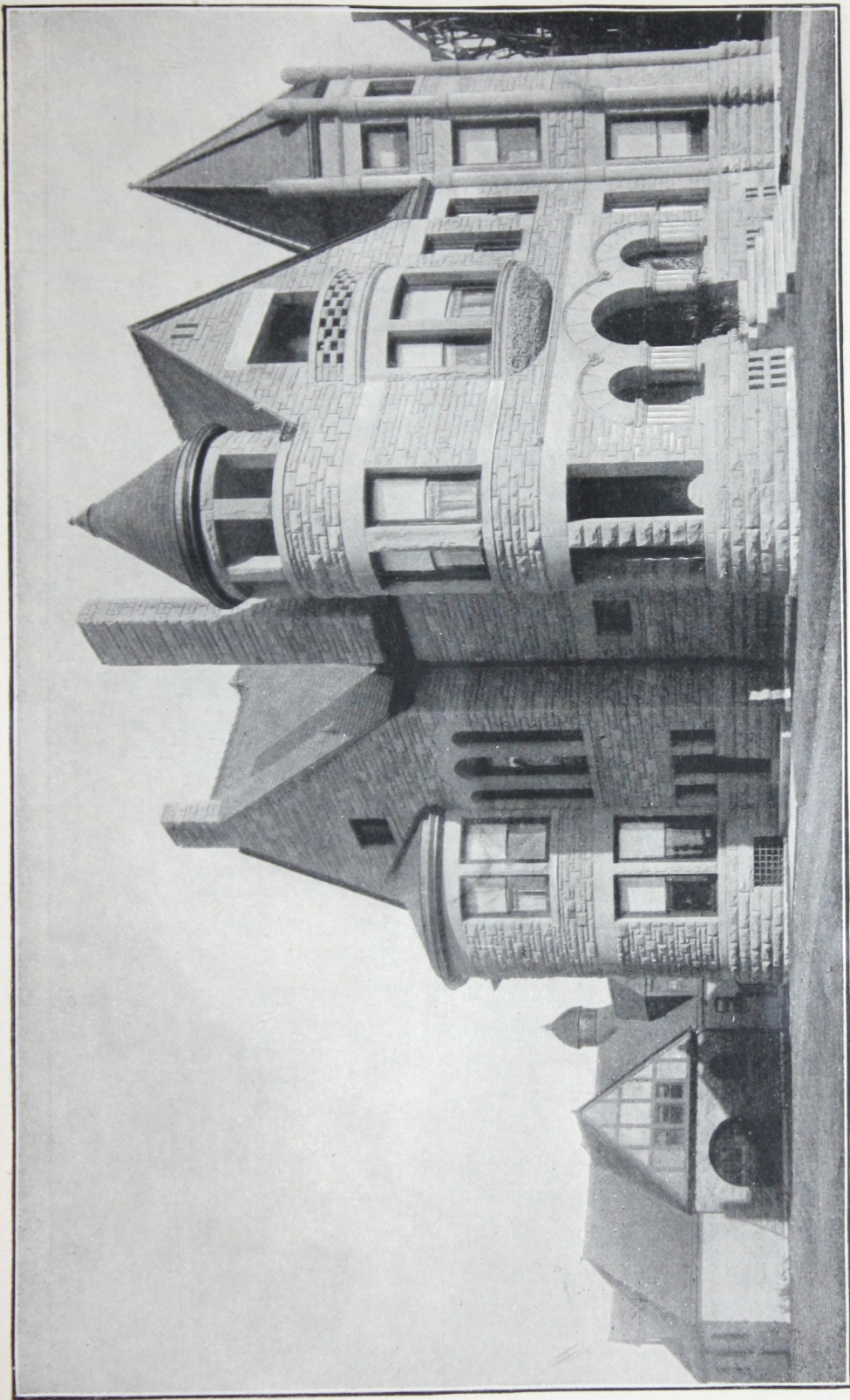
Edgar County Court House, Paris, Ill.  
Blue Amherst. Henry Elliott, Architect, Jacksonville, Ill.





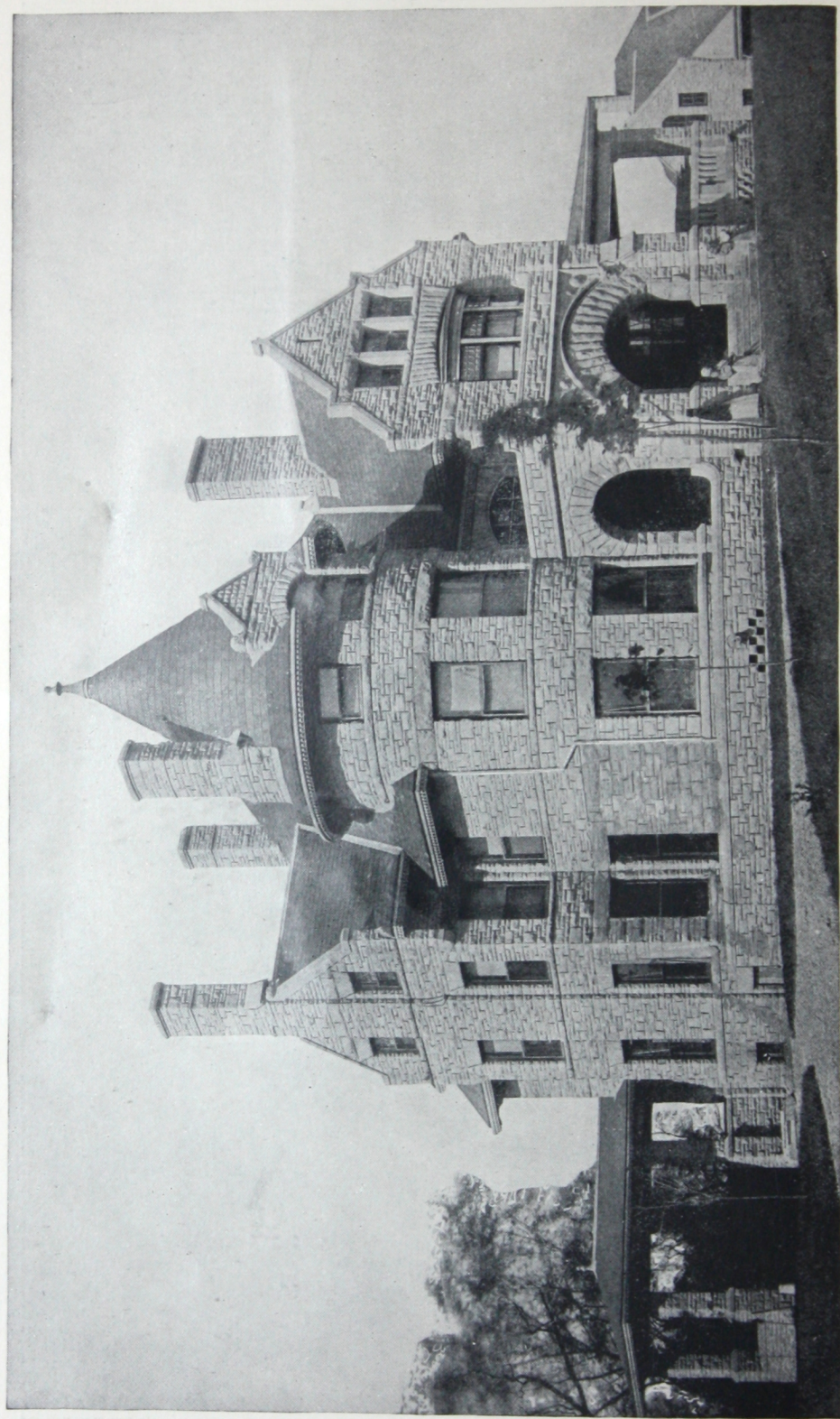
Residence S. M. Inman, Atlanta, Ga.  
L. B. Wheeler, Architect, Atlanta, Ga.  
Berea Stone.





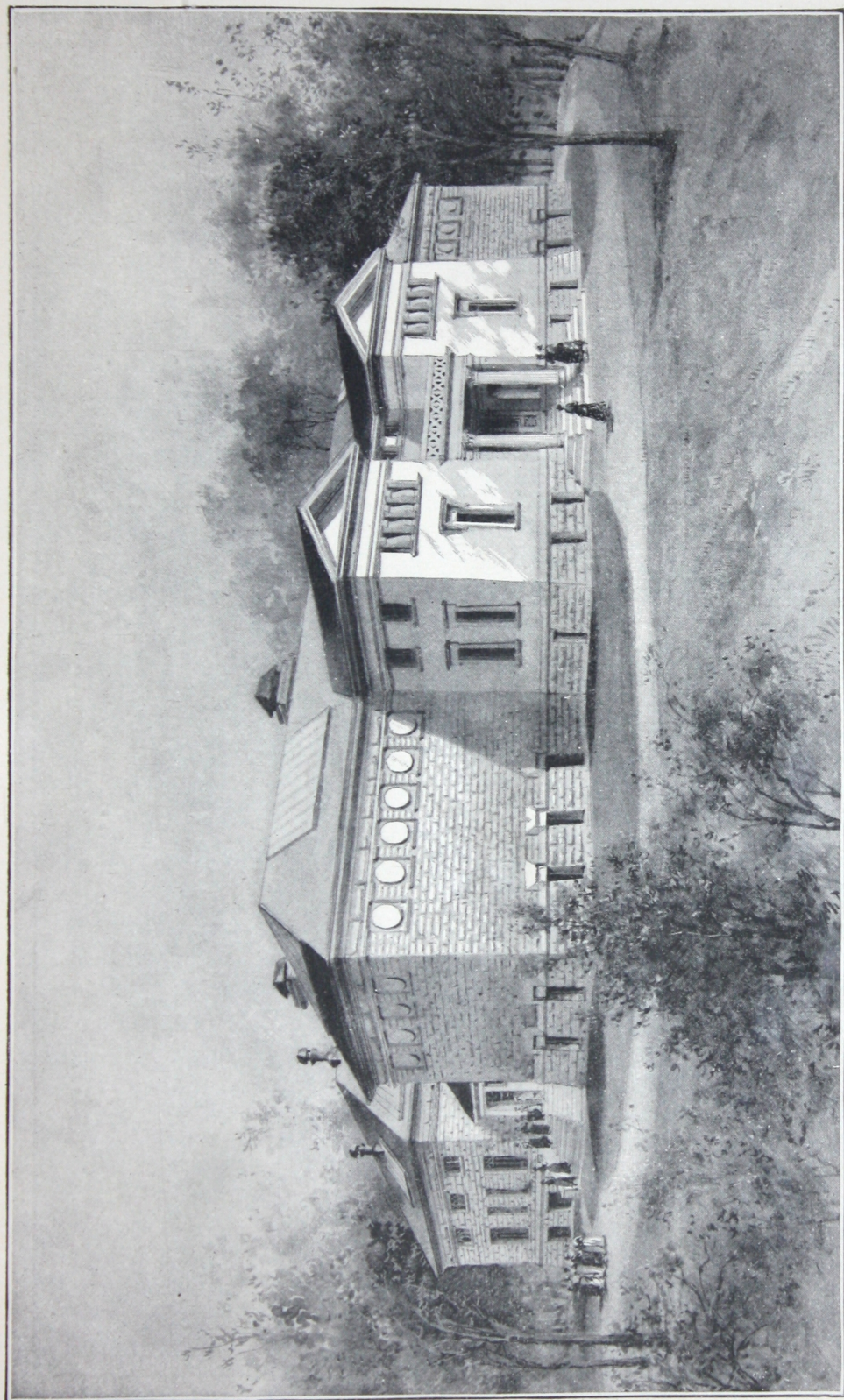
Residence Mr. Alex. Cochran, Westmoreland Place, St. Louis, Mo.  
Buff Amherst Stone James Stewart & Co., Architects, St. Louis, Mo





Residence of Richard Mitchell, Esq., (Walnut Hills,) Cincinnati, O.  
Berea Stone. S. Hannaford & Sons, Architects, Cincinnati, Ohio.





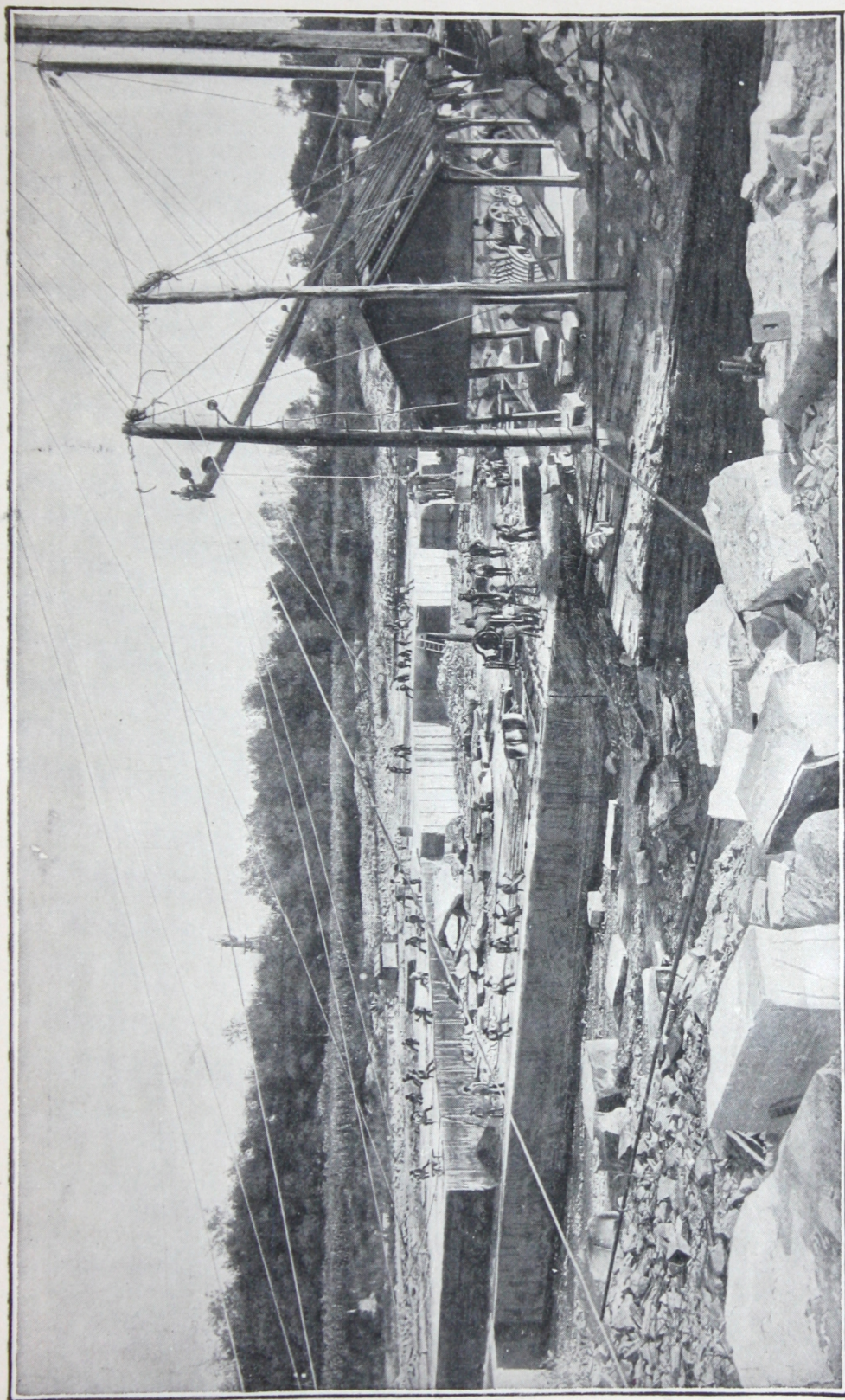
Farnsworth Art Museum, Wellesley College, Wellesley, Mass.  
Buff Amherst Stone. Rotch & Tilden, Architects, Boston, Mass.





John Hancock Building, Devonshire St., Boston, Mass.  
Buff Amherst Stone. W. G. Preston, Architect, Boston, Mass.





Quarry No. 8, Berea, Ohio.





Quarry No. 9, North Amherst, Ohio.



By reading the following you will observe the opinion held by some of the leading railroad men, city officials, engineers and capitalists of the country as to the quality of our bridge stone, sawed flagging and curbing :

PRESIDENT'S OFFICE LAKE SHORE & MICHIGAN SOUTHERN R'Y CO.

CLEVELAND, O., June 14, 1888.

*My Dear Sir.*—I have your note requesting an endorsement of your stone to be used in connection with the bids for the supply of stone for a dam at Rock Island. I have been familiar with this stone in bridges and culverts upon this line of railway since 1865. Under all conditions of exposure to air and water the sandstone from your quarries and vicinity so used in structures upon this line has proved as durable as any stone I am acquainted with. For these purposes I believe it to be fully equal to granite, and taking into consideration the ease of working, preferable to granite where much stone cutting is required.

Yours very truly,

JOHN NEWELL, President.

To J. M. WORTHINGTON, President The Cleveland Stone Co.

CHIEF ENGINEER'S OFFICE CLEVELAND, COLUMBUS, CINCINNATI & INDIANAPOLIS RAILWAY CO.

CLEVELAND, O., June 12, 1888.

*Dear Sir.*—With regard to the use and durability of the sandstone in your quarries at Berea, Ohio, would say that this road built several viaducts of the Berea sandstone some forty years ago, the piers of which have always stood in water, and show no sign of disintegration or decay. We have been using the stone from your quarries ever since to the present time and are still using the same, being entirely satisfied with it.

Yours truly,

W. C. IRWIN, Chief Engineer.

To J. M. WORTHINGTON, President The Cleveland Stone Co.

CHIEF ENGINEER'S OFFICE FLINT & PERE MARQUETTE RAILROAD.

EAST SAGINAW, MICH, June 12, 1888.

*Dear Sir.*—In looking about for a stone adapted to first-class bridge and culvert masonry that could be furnished in large sizes and quantities, with promptness, I found no place that so well answered my requirements as your Berea and Amherst quarries. The stone in my judgment is well adapted for durable and permanent bridge work. During the past four years I have used large quantities of it and I can see no crumbling or decay at or above the water or frost line. I shall continue its use for bridge piers, abutments and arches. I consider its general use throughout the country for many years has sufficiently tested its strength and staying qualities.

Respectfully,

WM. B. SEARS, Chief Engineer.

To J. M. WORTHINGTON, President The Cleveland Stone Co.

OFFICE OF CLEVELAND & MAHONING VALLEY RAILWAY CO.

NEW YORK, LAKE ERIE & WESTERN R. R. LESSEES.

THE CLEVELAND STONE CO., Cleveland O.

CLEVELAND, O., June 18, 1888.

*Gentlemen.*—I have been acquainted with the stone from your quarries for the past fifteen years, and during that time we have used it largely in the best class of railroad masonry, for bridge piers, arch culverts, etc. I am entirely satisfied with the quality and durability of this stone, being sufficiently strong, and easily worked. I consider it fit for the best class of work built on a railroad, and for any other work requiring durability.

Very respectfully,

HENRY C. THOMPSON, Chief Engineer.



## The Cleveland Stone Company.

NEW YORK, CHICAGO &amp; ST. LOUIS RAILWAY CO.

THE CLEVELAND STONE CO., Cleveland, O.

CLEVELAND, O., June 18, 1888.

*Gentlemen.*—We have used the sandstone taken from your Berea quarries since the opening of this road and are still using it. A considerable quantity of it was used during the construction of the road. We take pleasure in testifying as to its durability, and would say that considerable of that already used has stood in water, and up to the present time shows no sign of disintegration or decay. I believe it to be the best sandstone in the market to-day.

Yours truly,

LEWIS WILLIAMS, Gen'l Sup't.

WEST PARK COMMISSIONERS, Chicago.

CHICAGO, ILL., May 3, 1888.

*Dear Sirs.*—THE CLEVELAND STONE COMPANY has supplied me at Edgewater, in 1887, through their contractor, James C. Daly, *over one hundred thousand feet of flagging, and fifty thousand feet of curbing.* Most of the stone has passed through a winter and summer, and looks as well to-day as when it was laid. I am thoroughly satisfied with the stone and the manner in which it was put down, and have found THE CLEVELAND STONE COMPANY, and their contractor, Mr. James C. Daly, very satisfactory in their business methods, and take pleasure in recommending their stone and work.

Yours truly,

J. L. COCHRAN.

WEST PARK COMMISSIONERS, City.

CHICAGO, May 1, 1888.

*Dear Sirs.*—I have used the Berea stone largely at my dwelling, some fourteen hundred feet, put down by Mr. Daly, and I do not hesitate to say that I regard it as the very best sidewalk stone in the market, and the work of Mr. Daly is beyond criticism.

Yours truly,

CHAS. COUNSELMAN.

WEST PARK COMMISSIONERS, Chicago, Ill.

CHICAGO, May 3, 1888.

*Gentlemen.*—We have had occasion during the past two years, to lay a large amount of stone sidewalk, and we have, in the greater portion of the work, used the flagging furnished by THE CLEVELAND STONE CO. We think the stone furnished by them the best quality of its kind, and we cannot discover that the stone in any case gives any appearance of disintegration, or, to use the term most known, there is no *scaling*.

We feel certain that should you contract with the Cleveland Stone Company you will find them in every way satisfactory.

Very respectfully yours, BOGUE &amp; HOYT, Real Estate Agents.

MESSRS. MEAD &amp; COE,

CHICAGO, June 1, 1888.

Agents for Geo. M. Pullman and Chas. M. Henderson

*Gentlemen.*—Having made at your request a thorough investigation of the subject of stone sidewalks, and having inspected a large number of walks laid within the past few years, we would respectfully report that in our judgment, the Berea stone furnished by THE CLEVELAND STONE CO. meets the requirements as to quality and price. We have nowhere seen any disintegration in the Berea stone, and we would therefore recommend the adoption of the same for Auburn Park upon the property owned by Geo. M. Pullman and Chas. M. Henderson, about 50,000 square feet, and the tract north of 76th street, owned by Messrs. Hallette & Brownell, about 40,000 square feet.

Yours respectfully,

WM. A. EWING,  
R. E. BROWNELL.

THE CLEVELAND STONE CO., Cleveland, O.

CLEVELAND, O, June 18, 1888.

*Gentlemen.*—In reply to your inquiry I will state that large quantities of Berea Sandstone have been used in the constructive works of the city, viz.: sub-structure of the Central Viaduct and the Superior Street Viaduct, both works of great magnitude; also for river piers, abutments, etc. It stands well and has given excellent satisfaction.

Very respectfully, WALTER P. RICE, City Civil Engineer.



TO WHOM IT MAY CONCERN.—

CLEVELAND, O., May 3, 1887.

The use of Berea stone as curbing, here in Cleveland, has given such satisfaction in quality and durability, that it is specified and has been used, with one or two exceptions, on all of our curbed streets.

Respectfully,

C. C. MORSE, Engineer's Clerk.

TO WHOM IT MAY CONCERN :

CLEVELAND, O., June 18, 1888.

This is to certify that I have had occasion during my practice as civil engineer to use large quantities of stone for bridge masonry in various parts of the country ; and I unhesitatingly assert that the stone supplied from THE CLEVELAND STONE CO., known as the Berea, Ohio, sandstone, is the best that I have ever used or seen for that purpose. It is exceedingly durable, being composed largely of silica, and wherever it has been exposed to the action of the frost and water for a long term of years still remains in a perfect state of preservation. The Cleveland viaduct, erected under my supervision, containing over 3,050,000 cubic feet of this stone, and costing over \$2,150,000, is built entirely of this stone. I consider it superior to any stone now in use for work requiring great strength and durability, and heartily and cheerfully recommend it to any one contemplating the use of stone above or under the water.

Very respectfully,

B. F. MORSE,

Late City Civil Engineer, Cleveland.

CITY ENGINEER'S OFFICE,

GALION, O., March 24, 1887.

*Dear Sir.*—This is to certify that Berea flagging and curbing have been used in this city for several years past in large quantities, and has given entire satisfaction, and I have no hesitation in recommending the Berea stone for the above named purpose.

Yours truly, PRESS C. HOSFORD, City Engineer.

To J. M. WORTHINGTON, President The Cleveland Stone Co., Cleveland, O.

CITY ENGINEER'S OFFICE.

AKRON, OHIO.

*Dear Sir.*—In reply to your inquiry as to the result of our experience in the use of Berea stone for curbing and flagging, I have to say, the results of many years' trial have been that in nearly all cases where contracts are now let for street improvements, we specify the use of Berea stone for curbing and flagging.

Yours truly,

W. D. CHAPMAN, City Civil Engineer.

To J. M. WORTHINGTON, President The Cleveland Stone Co., Cleveland, O.

THE CLEVELAND STONE CO., Cleveland, O.

COLUMBUS, O., April 2, 1888.

*Gentlemen.*—Your favor of the 1st instant received. We have used your stone for curbing and flagging purposes for the past ten years, almost exclusively for curbing, and I can say that it has given good satisfaction. It is a stone that is easily and cheaply worked into shape for either flagging or curbing, and it is not affected by frost or water.

Very respectfully yours, JOHN GRAHAM, City Engineer.

CITY ENGINEER'S OFFICE.

ERIE, PA., March 15, 1888.

*Dear Sir.*—There has been a large amount of stone used in this city for curbing, flagging, etc., from the CLEVELAND STONE CO., which gives general satisfaction.

I can cheerfully recommend it to any one who is anxious for a good quality of stone for this purpose.

Yours truly,

GEORGE PRATT, City Engineer.

CITY ENGINEER'S OFFICE.

BUFFALO, N. Y., March 11, 1887.

*Dear Sir.*—This is to certify that the stone furnished by THE CLEVELAND STONE CO.,—the so-called Berea Sandstone—has been used here in this city in several places for all sizes for sidewalk stone for several years, and has given perfect satisfaction.

Respectfully,

ALBERT KRAUSE, Engineer.



## The Cleveland Stone Company.

## CITY ENGINEER'S OFFICE.

SYRACUSE, N. Y., March 17, 1888.

*Dear Sir.*—The sawed flagging which you have put down in this city, which you claim was furnished by THE CLEVELAND STONE CO., appears to be first-class, and so far as I am aware, has given general satisfaction. Yours,

To W. D. MARVIN, Agent, City.

W. H. H. GERE, City Engineer.

## CITY ENGINEER'S OFFICE.

SIOUX CITY, IOWA, Jan. 10, 1888.

*Dear Sir.*—We take great pleasure in stating that we have used some seventeen miles of your Berea stone curbing in Sioux City, Iowa, which has given entire satisfaction. It is very durable and stands the variations of the climate without flaking or disintegrating, and we can cheerfully recommend it to any one who wants curbing that is first-class in every respect.

Yours truly,

W. P. WHITTEN, City Engineer.

To J. M. WORTHINGTON, Pres't Cleveland Stone Co., Cleveland, O.

THE CLEVELAND STONE CO., Cleveland, O.

ST. PAUL, MINN., March 19, 1888.

*Gentlemen.*—In reply to your request, I would say, that we have used a considerable quantity of your "Berea" stone for sidewalk flagging in St. Paul, for the past three years, that it stands the frost and variation of the climate without flaking or disintegrating, gives good satisfaction, and is included in the specifications for stone in this year's work.

Yours very respectfully

L. W. RUNDLETT, City Engineer.

THE CLEVELAND STONE CO., Cleveland O.

SPRINGFIELD, ILL., March 14, 1888.

*Gentlemen.*—In our city we have some miles of your sandstone curbing, and we unhesitatingly say that in regard to abrasion from vehicles or traffic teams it stands equal to the best limestone, and is superior to any other stone thus used, as it does not disintegrate or split from the action of the weather, and the only regret is that we have not more of it.

Yours respectfully,

CHAS. E. HAY,

W. D. CLARK,

JOHN F. BRETZ,

Mayor.

Acting Engineer.

Sup't of Streets.

THE CLEVELAND STONE CO., Cleveland, O.

BLOOMINGTON, ILL., March 2, 1886

*Gentlemen.*—After careful investigation of your stone for street curbing, etc., having visited the city of Peoria where the same is extensively used, we decided to adopt the Berea stone for our street curbing, believing it to be the most desirable, durable and economical stone for our section of the country.

R. N. EVANS,

N. C. SWEENEY,

A. H. BELL, City Engineer,

W. F. CRAWFORD

Committee on General Inspection City of Bloomington.

TO WHOM IT MAY CONCERN :

PEORIA, ILL., March 23, 1886.

During the past five years the city of Peoria has laid over twenty-five miles of Berea stone curbing, and we take pleasure in certifying to its merits. We do not discover any signs of attrition from wheels or vehicles coming in contact with it, or disintegration from the elements. It is equal to any we have yet seen, and would recommend it to any corporation that desires to use curbing.

Respectfully, etc.,

GEORGE F. WIGHTMAN, City Engineer,

JOHN F. KING, Chairman of the Committee on Sewers, Sidewalks and Crossings.

TO WHOM IT MAY CONCERN.

DES MOINES, IOWA, March 26 1887.

We have now in use several miles of Berea stone curbing, the greater portion of which was laid in 1882. It has given general satisfaction and we can safely recommend its use.

CHARLES BENNETT, City Engineer,

B. SCHREINER, late City Engineer.



## List of Buildings.

The list of buildings herewith given are but a few of the many thousands in all parts of the United States and Canada that are constructed of Amherst or Berea Sandstone.

ALBANY, N. Y.—Kenmore Hotel.....	Trimmings, Buff Amherst
Merchants and Farmers National Bank.....	Trimmings, Buff Amherst
ALLEGHENY, PA.—Pittsburgh, Fort Wayne & Chicago R. R. Depot.....	Trimmings, Blue Amherst
High School.....	Blue Amherst
Residence, John C. Leitch, 75 Beach St.....	Berea Stone
ALBION, IND.—Noble County Court House.....	Trimmings, Berea
AMHERST, O.—Town Hall.....	Buff Amherst
ANDERSON, IND.—Madison County Court House.....	Berea
APPLETON, WIS.—High School.....	Berea
ARLINGTON, MASS.—Arlington Library.....	Buff Amherst
ASHLAND, PA.—St. Joseph's Catholic Church and Parsonage.....	Trimmings, Berea
ATLANTA, GA.—Second Baptist Church.....	Trimmings, Berea
S. M. Inman's Residence.....	Berea
BALTIMORE, MD.—Jewish Orphan Asylum.....	Berea
Normal School.....	Berea
Mt. Vernon Episcopal Church.....	Berea
Williams Street Methodist Church.....	Trimmings, Buff Amherst
Four Dwellings, 1013 to 1019 N. Calvert Street.....	Trimmings, Buff Amherst
St. Michaels Church, Lombard and Wolfe Street.....	Buff Amherst
The Associate Reformed Church Maryland & Preston Streets.....	Trimmings, Buff Amherst
Church of our Lady of Good Council, Locust Point.....	Trimmings, Buff Amherst
Hebrew Temple, Madison Avenue and Roberts Street.....	Trimmings, Buff Amherst
Fulton Avenue Presbyterian Chapel.....	Trimmings, Buff Amherst
St. Stanislaus Roman Catholic Church, So. Ann St. near Olive St.....	Trimmings, Buff Amherst
Gummins Mem. Ref. Epis. Church, Carrollton Av. & Lauvale St.....	Trimmings, Buff Amherst
La Fayette Square Presb. Church, Carrollton Ave. & Lauvale St.....	Trimmings, Buff Amherst
Young Men's Christian Association, Charles & Saratoga Streets.....	Trimmings, Blue Amherst
Law Building, St. Paul and Lexington Streets.....	Trimmings, Buff Amherst
Residence, Daniel Miller, Esq., Park Ave., above Centre.....	Trimmings, Buff Amherst
Boundary Avenue Presbyterian Church.....	Trimmings, Buff Amherst
BEAVER DAM, WIS.—Williams' Free Library.....	Berea
BEREA, O.—Town Hall.....	Berea
Ladies Boarding Hall of Baldwin University.....	Berea
BOSTON, MASS.—Hotel Brunswick, Commonwealth Avenue.....	Trimmings, Buff Amherst
Hotel Warren, Warren Avenue.....	Trimmings, Buff Amherst
Howard National Bank Building, Devonshire Street.....	Buff Amherst
Austin Hall, Harvard College (Cambridge).....	Trimmings, Buff Amherst
Y. M. C. Union Building, Boylston Street.....	Buff Amherst
R. H. White & Co., Washington Street.....	Buff Amherst
Ames Building, Washington Street, cor. Court Street.....	Buff Amherst
Congress Building, Post Office Square.....	Buff Amherst
Williams Building, Post Office Square.....	Buff Amherst
Brewer Building, Franklin Street.....	Buff Amherst
Morse Building, Washington Street.....	Buff Amherst
Angelo Building, Congress Street.....	Buff Amherst
W. S. Butler & Co., Tremont Street.....	Buff Amherst
Mrs. Frances Skinner's Residence, Beacon Street.....	Buff Amherst
Ex-Governor J. A. Andrew's Residence, Commonwealth Avenue.....	Buff Amherst
F. W. Sargent's Residence, Commonwealth Avenue.....	Buff Amherst
Chas. Head's Residence, Beacon Street.....	Buff Amherst
Mrs. Fisk's Residence, Commonwealth Avenue.....	Buff Amherst
English Latin High School.....	Trimmings, Buff Amherst
John Hancock, Mutual Life Insurance Co.....	Buff Amherst
Mt. Vernon Church.....	Buff Amherst
Public Library, Bates Hall, interior finish.....	Buff Amherst
Crawley Building, Tremont and Mason Streets.....	Buff Amherst
Colonnade Building.....	Buff Amherst



## The Cleveland Stone Company.

BROOKLINE, MASS.—Weld Estate Residence.....	Trimmings, Buff Amherst
Harvard Street Church.....	Trimmings, Buff Amherst
BRIDGEPORT.—Sandford Building.....	Trimmings, Buff Amherst
Entrance P. O. Arcade.....	Buff Amherst
BROCKVILLE, ONT.—Post Office.....	Buff Amherst
BUFFALO, N. Y.—U. S. Post Office and Custom House.....	Buff Amherst
Music Hall Building.....	Berea
Calvary Church.....	Berea
Episcopal Church.....	Berea
Bright's Building.....	Berea
W. G. Fargo's Residence.....	Buff Amherst
Mr. Schoolkoff, Residence.....	Berea
BUTLER, PA.—Butler County Court House.....	Berea
BLUFFTON, IND.—Well's County Infirmary.....	Berea
BRYAN, O.—Williams County Court House.....	Trimmings, Blue Amherst
CLEVELAND, O.—U. S. Post Office and Custom House.....	Buff Amherst
Stillman Hotel.....	Trimmings, Berea
Hollenden Hotel.....	Trimmings, Blue Amherst
Protestant Orphan Asylum.....	Buff Amherst
Jewish Orphan Asylum.....	Trimmings, Berea
Euclid Avenue Opera House.....	Blue Amherst
Case School of Applied Science.....	Buff Amherst
Adelbert College.....	Buff Amherst
Central High School.....	Buff Amherst
St. Paul's Church.....	Buff Amherst
Plymouth Congregational Church.....	Buff Amherst
First Congregational Church.....	Buff Amherst
Polish Catholic Church (Broadway).....	Buff Amherst
Euclid Avenue Congregational Church.....	Buff Amherst
Euclid Avenue Baptist Church.....	Buff Amherst
Willson Avenue Baptist Church.....	Berea
Scoville Avenue Synagogue.....	Berea
Masonic Temple.....	Berea
Grace Reformed Episcopal Church.....	Buff Amherst
Case Building (City Hall).....	Buff Amherst
Crocker Building, Superior Street.....	Buff Amherst
Standard Oil Co. Building, Euclid Avenue.....	Buff Amherst
Benedict Building, Euclid Avenue.....	Buff Amherst
Church of Epiphany.....	Berea
Severance Building, Superior Street.....	Berea
Mercantile National Bank Building.....	Trimmings, Blue Amherst
Wm. Chisholm's Residence, Euclid Avenue.....	Buff Amherst
Col. John Hay's Residence, Euclid Avenue.....	Buff Amherst
Chas. F. Brush's Residence, Euclid Avenue.....	Buff Amherst
T. D. Crocker's Residence, Euclid Avenue.....	Buff Amherst
Samuel Andrews' Residence, Euclid Avenue.....	Buff Amherst
C. W. Bingham's Residence, Euclid Avenue.....	Buff Amherst
Thomas H. White's Residence, Euclid Avenue.....	Blue Amherst
Oscar Child's Residence, Euclid Avenue.....	Berea
John Huntington's Residence, Prospect Street.....	Buff Amherst
Beach Row, Six Dwellings.....	Buff Amherst
Armstrong Row, Seven Dwellings.....	Berea
First Baptist Church.....	Buff Amherst
CHATTANOOGA, TENN.—First Baptist Church.....	Trimmings, Berea
CHEROKEE, IA.—Cherokee County Court House.....	Blue Amherst
CHICAGO, ILL.—Tremont House.....	Buff Amherst
Grand Pacific Hotel.....	Buff Amherst
Lakeside Building.....	Buff Amherst
Reaper Building.....	Buff Amherst
Howland Building.....	Buff Amherst
Nixon Building.....	Buff Amherst
Uhlich Building.....	Buff Amherst
McCormick's Building.....	Berea
Burton Johnson's Residence.....	Buff Amherst
Sibley Building.....	Berea



CHICAGO, ILL.—Ogden Building.....	Berea
Methodist Church.....	Buff Amherst
Marshall Field's Residence.....	Buff Amherst
Martin A. Ryerson's Residence.....	Berea
Mark Skinner's Residence.....	Berea
Franklin MacVeagh's Residence.....	Buff Amherst
Potter Palmer, Residence.....	Trimmings, Buff Amherst
Chas. Hutchinson's Residence.....	Buff Amherst
S. M. Nickerson's Residence.....	Buff Amherst
Residence, B. J. Wertheimer, 3219 Wabash Avenue.....	Buff Amherst
St. Mary's R. C. Church of Perpetual Help.....	Berea
W. A. Fuller, Residence.....	Buff Amherst
Buildings, 50th and Wabash Avenue.....	Blue Amherst
Buildings, Mrs. C. Thomas, Nos. 1927-1929 Calumet Avenue.....	Blue Amherst
Goodwin Residence.....	Blue Amherst
Stores, Jas. C. Daly, State near 46th Street.....	Berea
COLUMBUS, O.—Franklin County Court House.....	Berea
Central Ohio Insane Asylum.....	Buff Amherst
Broadstreet M. E. Church.....	Berea
Harter & Sons Building.....	Berea
U. S. Post Office and Court House.....	Berea
CINCINNATI, O.—City Hall.....	Trimmings, Buff Amherst
Third National Bank.....	Trimmings, Buff Amherst
Odd Fellows' Temple.....	Berea
Richard Mitchell's Residence (Walnut Hills).....	Berea
CRAWFORDSVILLE, IND.—Montgomery County Court House.....	Berea
CLARINDA, IOWA.—Page County Court House.....	Berea
CHARLOTTE, MICH.—Eaton County Court House.....	Berea
CARROLLTON, OHIO.—Carroll County Court House.....	Berea
CARROLLTON, ILL.—Greene County Court House.....	Blue Amherst
CANTON, OHIO.—Methodist Episcopal Church.....	Berea
CORNWALL, ONT.—Church of the Redeemer.....	Buff Amherst
COLUMBIA CITY, IND.—Plymouth County Jail.....	Berea
COUNCIL BLUFFS, IOWA.—U. S. Post Office and Court House.....	Buff Amherst
COLDWATER, MICH.—Branch County Court House.....	Berea
CRESTLINE, O.—High School.....	Trimmings, Blue Amherst
COLUMBIA, PA.—Presbyterian Congregational Church.....	Trimmings, Buff Amherst
DETROIT, MICH.—U. S. Post Office and Custom House.....	Buff Amherst
City Hall and Court House.....	Buff Amherst
Russell House (Hotel).....	Buff Amherst
Fisher's Band Building.....	Berea
Harper's Hospital.....	Berea
Music Hall.....	Trimmings, Berea
St. Boniface's Church.....	Berea
Newbury & McMillan Building.....	Berea
Butler Building.....	Berea
Kirschburger Building.....	Berea
Scotten Building.....	Berea
D. Cooper's Building.....	Berea
Whitney's Building.....	Berea
Moffat Building.....	Buff Amherst
Central Police Station.....	Berea
Governor Alger's Residence.....	Buff Amherst
Jesuit College.....	Berea
DOVER, DEL.—U. S. Post Office and Court House.....	Berea
Richardson Hotel.....	Trimmings, Buff Amherst
DECATUR, IND.—Adams County Court House.....	Berea
DENVER, COL.—Tabor Opera House.....	Buff Amherst
DANVILLE, VA.—Mt. Vernon Methodist Church.....	Trimmings, Buff Amherst
North Danville Methodist Church.....	Trimmings, Buff Amherst
DANVILLE, ILL.—New Presbyterian Church.....	Blue Amherst
DAYTON, OHIO.—U. S. Post Office and Court House.....	Berea
DECATUR, ILL.—Court House, Macon Co.....	Berea
DALLAS, TEXAS.—Henderson Bank Block.....	Berea
ELMIRA, N. Y.—Reformatory Buildings.....	Berea



EBENSBURG, PA.—Cambria County Court House.....	Blue Amherst
ERIE, PA.—U. S. Post Office and Custom House.....	Buff Amherst
ELKHORN, WIS.—Insane Asylum.....	Berea
FAIRBAULT, MINN.—Episcopal College.....	Trimmings, Berea
FAIRFIELD, IA.—Jefferson County Court House.....	Blue Amherst
FINDLAY, O.—Hancock County Court House.....	Berea
FREMONT, O.—St. Joseph's Church.....	Berea
Ex President Hayes' Residence.....	Buff Amherst
Burchard Library.....	Trimmings, Buff Amherst
GRAND RAPIDS, MICH.—Widdecombe Building.....	Buff Amherst
U. S. Post Office and Court House.....	Buff Amherst
GREENSBORO, N. C.—U. S. Post Office and Court House.....	Trimmings, Blue Amherst
GALESBURG, ILL.—Knox County Court House.....	Blue Amherst
GERMANTOWN, PA.—St. Luke's Episcopal Church.....	Berea
GIRARDVILLE, PA.—Memorial Baptist Church.....	Trimmings, Berea
GRUNDY CENTRE, IOWA.—Grundy Co. Court House.....	Berea
HAGERSTOWN, MD.—St. Paul's Methodist Church.....	Trimmings, Buff Amherst
Second National Bank.....	Buff Amherst
HARRISONBURG, VA.—U. S. Post Office and Court House.....	Trimmings, Blue Amherst
HARTFORD, CONN.—Trinity College.....	Trimmings, Buff Amherst
Cheeney Building.....	Trimmings, Buff Amherst
HUNTINGDON, PA.—Huntingdon County Court House.....	Berea
HUNTINGTON, IND.—Huntington County Infirmary.....	Berea
IONIA, MICH.—Ionia County Court House.....	Berea
INDIANAPOLIS, IND.—Hotel Dennison.....	Berea
Masonic Temple.....	Berea
IRONTON, O.—St. Joseph's Catholic Church.....	Trimmings, Blue Amherst
High School.....	Trimmings, Blue Amherst
IDA GROVE, IOWA.—First National Bank.....	Berea
ITHACA, N. Y.—Cornell University Library Building.....	Berea
Cornell Law School.....	Berea
Zeta Psi Society.....	Berea
JACKSON, TENN.—U. S. Post Office and Court House.....	Trimmings, Berea
KANSAS CITY, MO.—Calvary Baptist Church.....	Berea
KENOSHA, WIS.—English Baptist Church.....	Berea
German M. E. Church.....	Berea
Mr. Gunderman's Residence.....	Berea
KNOXVILLE, TENN.—S. B. Luttrell's Residence.....	Trimmings, Berea
KALAMAZOO, MICH.—Kalamazoo Library.....	Trimmings, Amherst Buff
LA CROSSE, WIS.—U. S. Post Office and Court House.....	Trimmings, Berea
City Hall Building.....	Trimmings, Blue Amherst
LANSING, MICH.—Michigan State Capitol.....	Buff Amherst
LEAVENWORTH, KAN.—U. S. Post Office and Court House.....	Buff Amherst
LINCOLN, NEB.—C. C. Burr Building.....	Berea
Lancaster County Court House.....	Blue Amherst
LIMA, O.—Allen County Court House.....	Berea
City Hall.....	Berea
LITTLE ROCK, ARK.—U. S. Post Office and Court House.....	Blue Amherst
LOCKPORT, N. Y.—Niagara County Court House.....	Berea
LONDON, ONT.—Post Office.....	Berea
Berrill Building.....	Berea
LIBERTY, IND.—Union County Court House.....	Berea
LEBANON, PA.—High School, Willow St., between 9th and 10th Streets.....	Berea
Greenwalt Building, 9th Street, near Willow Street.....	Berea
LAWRENCE, MASS.—Lawrence Library.....	Trimmings, Buff Amherst
MINNEAPOLIS, MINN.—U. S. Post Office and Court House.....	Blue Amherst
Johnson Bank Building.....	Berea
Board of Trade Building.....	Berea
Citizens' Bank.....	Berea
Bank of Minnesota.....	Blue Amherst
Stillman Building.....	Buff Amherst
Minnesota Loan & Trust Co.....	Blue Amherst
Ginfillian Building.....	Berea
Prior Building.....	Berea
Syndicate Building.....	Berea



MINNEAPOLIS, MINN.—Mankimm Building.....	Berea
Masonic Temple.....	Blue Amherst
MANCHESTER, IND.—Dearborn County Court House.....	Berea
MANSFIELD, O.—Soldiers Memorial.....	Buff Amherst
Ohio Intermediate Penitentiary.....	Trimmings, Buff Amherst
MARION, O.—Marion County Court House.....	Berea
MARYSVILLE, O.—Union County Court House.....	Berea
MILWAUKEE, WIS.—Plankinton Hotel.....	Berea
Board of Trade Building.....	Berea
St. Joseph's Church.....	Buff Amherst
Residence, Albert Uhlein.....	Buff Amherst
Chamber of Commerce.....	Berea
Mitchell's Bank.....	Berea
Library Building.....	Berea
Layton Art Gallery.....	Berea
Sixth Ward School.....	Berea
MONTREAL, P. Q.—Windsor Hotel.....	Trimmings, Buff Amherst
Merchants Bank of Canada.....	Berea
Molson Bank Building.....	Buff Amherst
Citizens Insurance Co. Building.....	Berea
Life Association Insurance Co. Building.....	Berea
Canada Life Assurance Co.....	Buff Amherst
Life Association of Scotland.....	Buff Amherst
Royal Insurance Company.....	Buff Amherst
North British and Mer. Insurance Co.....	Buff Amherst
MONMOUTH, ILL.—Catholic Church.....	Berea
Quimby Building.....	Blue Amherst
MUNCIE, IND.—Delaware County Court House.....	Berea
MT. CARAMEL, PA.—Church of Our Lady.....	Trimmings, Berea
MONTGOMERY, ALA.—Morris Banking Co., Building.....	Berea
MORGANTOWN, W. VA.—Monongalia County Court House.....	Trimmings, Berea
MANITOWOC, WIS.—School-house.....	Trimmings, Berea
NEW ORLEANS, LA.—Teutonia Insurance Co., Building.....	Berea
NEW HAVEN.—New Haven Hospital.....	Trimmings, Buff Amherst
NAPOLEON, O.—Henry County Court House.....	Berea
NEW YORK CITY, N. Y.—Rossmore Hotel.....	Buff Amherst
St. Joseph Home.....	Berea
Eden Musee, 23d Street.....	Berea
Catholic Church, 51st Street.....	Berea
128th Street Presbyterian Church.....	Berea
St. Agnes Church.....	Berea
Dutch Reformed Church, 128th Street and 6th Avenue.....	Berea
Incarnation Protestant Episcopal Church.....	Buff Amherst
Beloved Disciple Church.....	Buff Amherst
St. Bartholomew's Church.....	Buff Amherst
St. Chrysostom's Church.....	Buff Amherst
Church of the Holy Trinity.....	Buff Amherst
Calvary Baptist Church, 35th Street.....	Berea
Methodist Church, 128th Street and 7th Avenue.....	Buff Amherst
Presbyterian Church, 57th Street and Madison Avenue.....	Buff Amherst
Young Men's Christian Association Building, 23d Street and 4th Ave... Buff Amherst	
Astor Building, Prince and Broadway.....	Trimmings, Buff Amherst
Brooks Building, Bond Street and Broadway.....	Trimmings, Buff Amherst
Mrs. Morgan's Residence, 62d Street and 8th Avenue.....	Buff Amherst
The Windemere, 57th Street.....	Trimmings, Buff Amherst
The Albany, 51st Street and Broadway.....	Trimmings, Buff Amherst
The Rockingham, 55th Street and Broadway.....	Buff Amherst
The Jones Estate, 55th and 56th Streets and 5th Avenue.....	Buff Amherst
The Florence, 18th and 19th Streets and 4th Avenue.....	Trimmings, Buff Amherst
18 Dwellings, corner 122d Street and 2d Avenue.....	Buff Amherst
Club House, 27th Street and Madison Avenue.....	Buff Amherst
Arion Club House, 59th Street and 4th Avenue.....	Buff Amherst
Lorillard Estate Building.....	Berea
NEW ALBANY, IND.—U. S. Post Office and Court House.....	Blue Amherst
NEW PHILADELPHIA, O.—Tuscarawas County Court House.....	Blue Amherst



NEWARK, N. J.—Belleville Avenue Congregational Church.....	Trimmings, Buff Amherst
Residence, corner New and High Streets.....	Trimmings, Buff Amherst
NORTHAMPTON, MASS.—Memorial Hall.....	Blue Amherst
Smith College.....	Trimmings, Buff Amherst
NOBLESVILLE, IND.—Hamilton County Court House.....	Berea
NORFOLK, VA.—Residence, C. O. Wrenn.....	Buff Amherst
Residence, W. A. Wrenn.....	Blue Amherst
Residence, W. D. Rountree.....	Trimmings, Buff Amherst
OMAHA, NEB.—Douglass County Court House.....	Berea
U. S. National Bank Building.....	Buff Amherst
H. W. Yates' Residence.....	Blue Amherst
Catholic Convent.....	Buff Amherst
Douglass County Hospital.....	Buff Amherst
The Brown Building, (J. J. Brown).....	Berea
Kirkendal Building.....	Trimmings, Berea
OTTAWA, ONT.—Dominion General Post Office Building.....	Berea
Parliament Buildings.....	Trimmings, Buff Amherst
Bank of Montreal.....	Berea
OTTAWA, ILL.—La Salle County Court House.....	Berea
OBERLIN, O.—Oberlin College. Warner Hall.....	Buff Amherst
" " Recitation Hall.....	Blue Amherst
" " Library Building.....	Blue Amherst
" " Theological Building.....	Trimmings, Buff Amherst
" " Ladies' Hall.....	Trimmings, Blue Amherst
" " Baldwin Cottage.....	Blue Amherst
OGDENSBURG, N. Y.—U. S. Post Office and Custom House.....	Buff Amherst
Allen Building.....	Berea
OSHKOSH, WIS.—Hotel Wisconsin.....	Berea
Oshkosh Insane Asylum.....	Berea
PAWTUCKET, R. I.—Dexter Block.....	Trimmings, Buff Amherst
Music Hall.....	Trimmings, Buff Amherst
PEORIA, ILL.—U. S. Post Office and Court House.....	Buff Amherst
PETERBORO, ONT.—Peterboro County Court House.....	Buff Amherst
PRESMONT, ONT.—Grenville County Court House.....	Blue Amherst
PHILADELPHIA, PA.—Normal School for Girls.....	Berea
Academy of Fine Arts, Broad Street.....	Buff Amherst
Academy of Natural Sciences, 19th and Race Streets.....	Buff Amherst
University of Pennsylvania.....	Berea
St. Agatha's Church.....	Berea
Beth, Eden Baptist Church.....	Buff Amherst
Public Buildings.....	Interior Finish, Buff Amherst
Guarantee Trust and Safe Deposit.....	Buff Amherst
Horticultural Hall.....	Buff Amherst
Mr. Harris' Residence, 1607 Walnut Street.....	Buff Amherst
Residence, 510 South Broad Street.....	Buff Amherst
PITTSBURGH, PA.—Oil Exchange.....	Buff Amherst
Cleveland and Pittsburgh R. R. Offices.....	Buff Amherst
Standard Oil Co. Building.....	Blue Amherst
United Pipe Line Building.....	Blue Amherst
James Horne & Co. Building.....	Blue Amherst
Arbuckle & Co. Building.....	Blue Amherst
W. G. Johnson's Building.....	Buff Amherst
PRINCETON, N. J.—Princeton College. Stewart Hall.....	Trimmings, Buff Amherst
" " School of Science.....	Buff Amherst
" " Theological Building.....	Buff Amherst
" " Library Building.....	Buff Amherst
PONTIAC, MICH.—Catholic Church.....	Buff Amherst
Pontiac Insane Asylum.....	Trimmings, Buff Amherst
PORT HURON, MICH.—U. S. Post Office and Custom House.....	Berea
PORTLAND, ME.—Baxter Library.....	Trimmings, Buff Amherst
PROVIDENCE, R. I.—G. H. Corliss' Residence.....	Trimmings, Buff Amherst
Wilcox Building.....	Buff Amherst
Rose Building.....	Buff Amherst
Daniels Building.....	Buff Amherst
Thompson Building.....	Buff Amherst

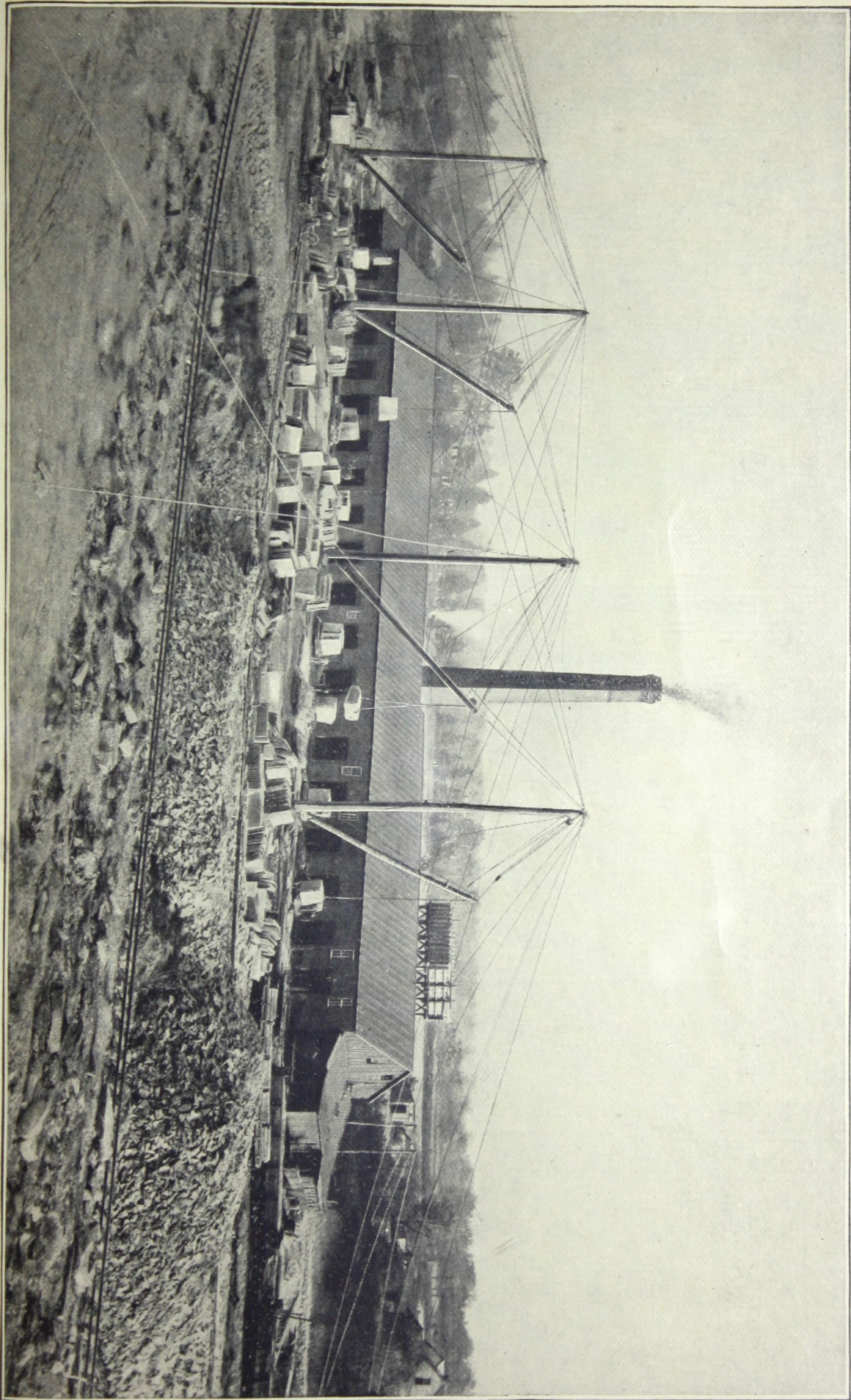


PROVIDENCE, R. I.—Hoppin Homestead Building.....	Buff Amherst
Union Congregational Church.....	Buff Amherst
Billings Building.....	Buff Amherst
Gymnasium Brown University.....	Trimming, Berea
PULLMAN, ILL.—Car Works and entire stone work in the city.....	Berea
POTTSVILLE, PA.—Miners Journal Building.....	Trimming, Buff Amherst
PARIS, ILL.—Edgar County Court House.....	Berea
QUINCY, ILL.—R. P. Newcomb, Residence.....	Buff Amherst
Isaac Lesem, Residence.....	Berea
T. C. Pollard, Residence.....	Blue Amherst with Buff Amherst Trimmings
ROCHESTER, N. Y.—Power's Building.....	Buff Amherst
Elmwood Building.....	Buff Amherst
RICHMOND, VA.—Y. M. C. A. Building.....	Trimming, Buff Amherst
RACINE, WIS.—Insane Asylum.....	Berea
M. B. Erskin, Residence.....	Berea
Wm. T. Lewis, Residence.....	Berea
Wm. Baumann, Residence.....	Berea
L. Schafer, Block.....	Berea
ST. LOUIS, MO.—Music Hall and Exp's Building.....	Trimming, Berea
Givin's Building.....	Berea
Alex. Cochran's Residence.....	Buff Amherst
T. H. West's Residence.....	Buff Amherst
ST. PAUL, MINN.—Ryan Building.....	Buff Amherst
St. Peters Apartment House.....	Trimming, Berea
ST. CLAIRSVILLE, O.—Belmont County Court House.....	Berea
ST. CLOUD, MINN.—St. Cloud Penitentiary.....	Trimming, Berea
SANDUSKY, O.—Erie County Court House.....	Buff Amherst
Masonic Temple.....	Trimming, Buff Amherst
State Sailors and Soldiers Home.....	Trimming, Buff Amherst
STEBENVILLE, O.—Jefferson County Court House.....	Buff Amherst
SIDNEY, O.—Shelby County Court House.....	Berea
SMETHPORT, PA.—McKean County Court House.....	Blue Amherst
SYRACUSE, N. Y.—White's Building.....	Buff Amherst
D. McCarthy Building.....	Buff Amherst
SPRINGFIELD, O.—U. S. Post Office.....	Buff Amherst
City Hall.....	Trimming, Blue Amherst
Prince's Sanitarium.....	Blue Amherst
Grace Lutheran Church.....	Blue Amherst
SALEM, N. J.—Salem National Bank.....	Trimming, Berea
STAUNTON, VA.—Public School.....	Trimming, Buff Amherst
Lutheran Church.....	Trimming, Berea
Y. M. C. A. Building.....	Trimming, Blue Amherst
SIOUX CITY, IOWA.—Iowa Savings Bank.....	Berea
United Banking Company.....	Blue Amherst
First Congregational Church.....	Berea
Boston Improvement Company's Building.....	Berea
SAVANNAH, GA.—Court House.....	Trimming, Buff Amherst
SPENCER, IOWA.—First National Bank Building.....	Blue Amherst
SALISBURY, MD.—Peninsula Hotel.....	Trimming, Berea
St. Peters Episcopal Church.....	Trimming, Berea
SCRANTON, PA.—City Hall.....	Trimming, Blue Amherst
Elm Park M. E. Church.....	Trimming, Blue Amherst
TRAVERSE CITY, MICH.—Northern Insane Asylum.....	Berea
THREE RIVERS, MICH.—First National Bank Building.....	Berea
TRENTON, N. J.—U. S. Post Office and Custom House.....	Buff Amherst
TRENTON, MO.—Public Library.....	Berea
TIFFIN, O.—Seneca County Court House.....	Buff Amherst
TOLEDO, O.—U. S. Post Office and Custom House.....	Buff Amherst
Memorial Hall.....	Berea
Bronson's Building.....	Berea
Boody House.....	Buff Amherst
Hotel Madison.....	Trimming, Berea
Opera House.....	Buff Amherst
Produce Exchange.....	Trimming, Berea
TROY, O.—Ashland County Court House.....	Blue Amherst



TORONTO, ONT.—Dominion Post Office.....	Berea
Dominion Custom House.....	Buff Amherst
York County Court House.....	Buff Amherst
Dominion Bank Building.....	Buff Amherst
Standard Bank Building.....	Buff Amherst
Imperial Bank of Canada.....	Buff Amherst
Ontario Bank Building.....	Buff Amherst
Union Loan and Savings Building.....	Buff Amherst
Building and Loan Association Building.....	Buff Amherst
Trust and Loan Company of Canada Building.....	Buff Amherst
Federal Bank of Canada.....	Buff Amherst
Bank of Montreal Building.....	Berea
Bank of Toronto Building.....	Berea
Merchants Bank of Canada.....	Berea
Quebec Bank Building.....	Trimmings, Berea
Knox College.....	Buff Amherst
St. Andrews Cathedral.....	Buff Amherst
Scottish Assurance Building.....	Buff Amherst
Manning Arcade Building.....	Buff Amherst
Toronto Arcade Building.....	Berea
British-America Assurance Company.....	Buff Amherst
Consumers Gas Company.....	Buff Amherst
Canada Pacific R. R. Offices.....	Buff Amherst
Victoria Chambers.....	Buff Amherst
Osgoode Hall.....	Buff Amherst
Toronto Insane Asylum.....	Berea
McMaster's Building.....	Buff Amherst
Hon. W. T. McMaster's Residence.....	Buff Amherst
Lieutenant Governors' Residence.....	Buff Amherst
Lake Side Building.....	Berea
McDonald Building.....	Berea
Central Prison.....	Berea
Veterinary College.....	Berea
Toronto University Laboratory Building.....	Berea
Odd Fellows' Temple.....	Trimmings, Berea
UTICA, N. Y.—U. S. Post Office and Court House.....	Trimmings, Berea
WACO, TEXAS.—U. S. Post Office and Court House.....	Trimmings, Berea
Mr. Senger's Residence.....	Berea
WABASH, IND.—Wabash County Court House.....	Berea
WASHINGTON, IOWA.—Washington County Court House.....	Berea
WASHINGTON, C. H., OHIO.—Fayette County Court House.....	Blue Amherst
WAPAKONETA, O.—City Hall.....	Berea
WASHINGTON, D. C.—Deaf and Dumb Asylum.....	Berea
St. Mark's Church.....	Berea
Baltimore and Potomac R. R. Depot.....	Trimmings, Berea
B. F. Edwards' Residence.....	Buff Amherst
Church of the Covenant.....	Trimmings, Buff Amherst
B. H. Warder's Residence.....	Buff Amherst
Hon. F. W. Bayne's Residence.....	Buff Amherst
Col. John Hay's Residence.....	Buff Amherst
Henry Adams' Residence.....	Buff Amherst
Catholic University, Divinity School.....	Trimmings, Buff Amherst
Residence, 1726 Massachusetts Avenue.....	Buff Amherst
Residence, Mrs. B. Hayden, 1716 Massachusetts Avenue.....	Trimmings, Berea
Residence, Mrs. Z. Chandler, 16 and K Street, N. W.....	Trimmings, Berea
Residence, Capt. A. C. Tyler, I Street near 17th.....	Berea
WHEELING, W. VA.—Ohio County Jail.....	Berea
WINDSOR, ONT.—Dominion Post Office.....	Buff Amherst
WILMINGTON, DEL.—Newcastle County Court House.....	Buff Amherst
WINCHESTER, IND.—Randolph County Court House.....	Berea
WINNIPEG, MANITOBA.—City Hall.....	Berea
WOBURN, MASS.—Woburn Library.....	Trimmings, Buff Amherst
YOUNGSTOWN, O.—Wick Block.....	Buff Amherst
YORK, PA.—New City Market.....	Trimmings, Buff Amherst
ZANESVILLE, O.—Muskingum County Court House.....	Buff Amherst

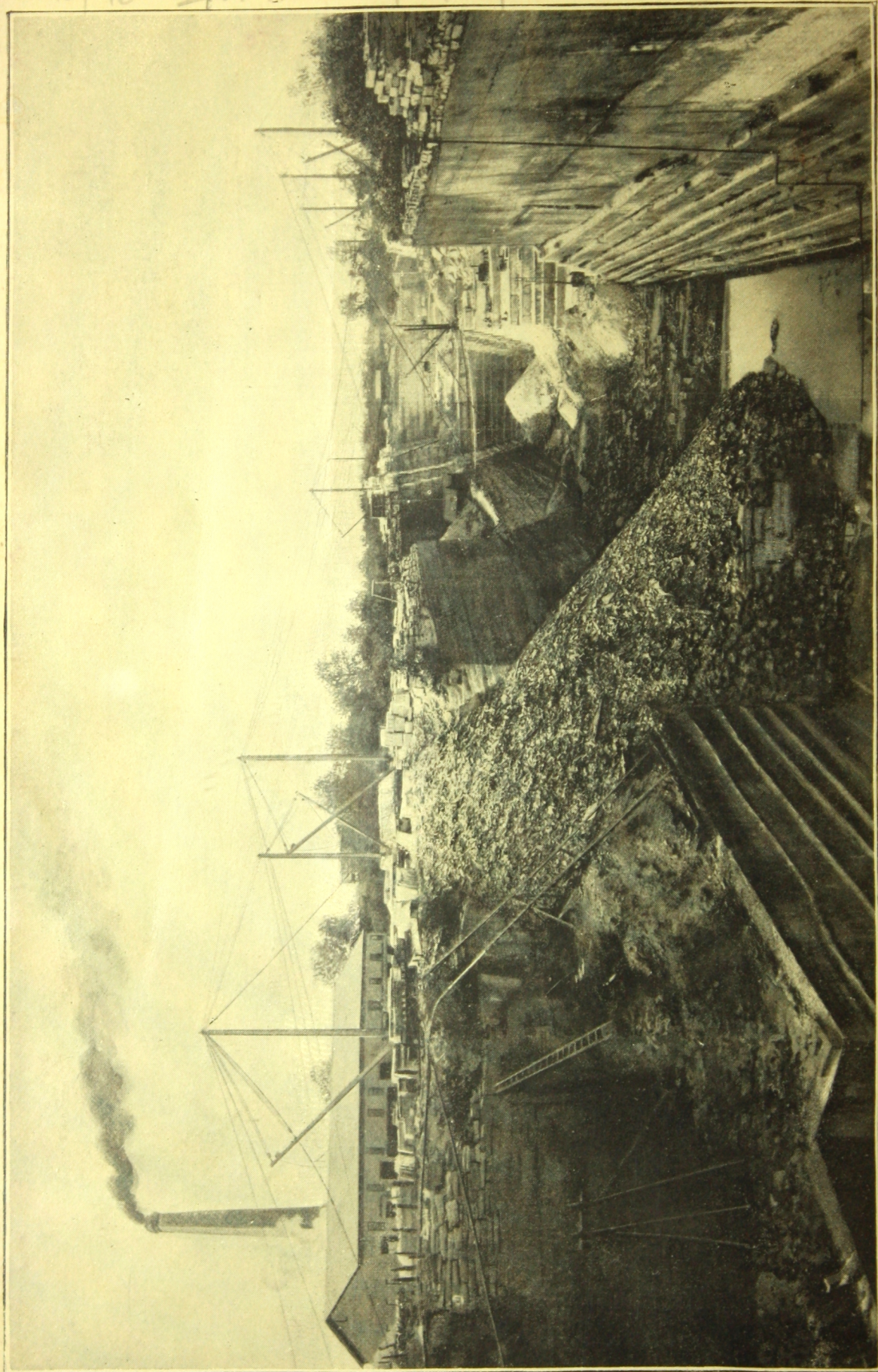






12/96 IN XE

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Steel Mill, North Amherst, Ohio